



QH
90

A632
v.6

Cum. Sub.
INDEXES
no. 1-12
1976

Aquatic Sciences & Fisheries Abstracts

An International Information journal for the
science and technology of marine and fresh-
water environments.

Vol.6 No.1-12 (Jan-Dec 1976)
Cumulated Subject, Taxonomic & Geographic
Indexes.

PAMPHLET

U.I.C.C.

DEC 4 1980

LIBRARY



0044-8516

ished by
mation Retrieval
or, & Washington DC.

Aquatic Sciences & Fisheries Abstracts

Annual Indexes to Vol.6 1976

An international information journal
for the science and technology of
marine and freshwater environments



Compiled by the Food and Agriculture
Organization of the United Nations and the
Intergovernmental Oceanographic Commission
with the collaboration of

Institut für Dokumentationswesen, Frankfurt
Bundesforschungsanstalt für Fischerei, Hamburg
INRA, Département d'Hydrobiologie, Biarritz
Centre National pour l'Exploitation des
Océans, BNDO Brest
Information Retrieval Limited London
All-Union Research Institute of Marine Fish-
eries and Oceanography (VNIRO), Moscow
Natural Environment Research Council
(NERC), London;
Marine Biological Association of the U.K.,
Plymouth
National Oceanic and Atmospheric
Administration (NOAA), Washington DC
Environment Canada, Fisheries and Marine
Service, (FMS), Ottawa



ISSN 0044-8516

Published monthly by
Information Retrieval Limited
London and Washington DC

Editorial Board

E.F.Akyüz, Fishery Resources and
Environment Division, FAO, Rome

A.S.Bogdanov, All-Union Research Institute
of Marine Fisheries & Oceanography,
(VNIRO), Moscow, USSR

R.R.Freeman, National Oceanic and
Atmospheric Administration,
Environmental Science Information Center,
Washington DC 20235, USA

J.Heyworth, Water Resources Document
Reference Centre (WATDOC), Environment
Canada, Ottawa, K1A 0H3

W.P.Kirchner, Bundesforschungs-
anstalt für Fischerei, Hamburg 50, Palmallee 9
Federal Republic of Germany

R.Piboubès, CNEXO, Bureau National
des Données Océaniques, BP 337,
29273 Brest Cedex, France

U.Schützsack, Institut für Dokumentations-
wesen, Herriotstrasse 5, Frankfurt (Main),
Niederrad, Federal Republic of Germany

A.Varley, Marine Biological Association,
Plymouth, UK

A.G.Woolcott, Information Retrieval Inc.
1911 Jefferson Davis Highway, Arlington,
Virginia 22202, USA

Editor-in-chief: R.Needham FAO

Editors:

Carolyn Roberts (Mrs), IRL
Elda Fagetti (Dr.), FAO

Editorial staff:

P.R.Auber, FAO
U.Brüll, BF
E.Collins (Mrs), NOAA
F.Diestel (Mrs), BF
Yu.N.Dorosheva (Mrs), VNIRO
E.Fourault (Mrs), CNEXO
M.Le Faurichon (Mrs), INRA
D.S.Moulder, MBA
L.G.Nazarova (Mrs), VNIRO
G.Nebel (Mrs), BF
J.R.L.Sears, IRL
C.A.Smith (Miss), IRL
S.J.Thomas (Mrs), MBA
Y.Thérézien, INRA
A.J.Youel, IRL
M.V.Zhuravleva (Mrs), VNIRO

Aquatic Sciences & Fisheries Abstracts

Volume 10, Number 1, 1980

Published by the International Association
of Aquatic Sciences and Fisheries
Abstracts



© 1980 Information Retrieval Limited
All rights reserved by the publisher. No part of
this publication may be reproduced or
transmitted in any form by any means,
electronic or mechanical, including photo-
copying, recording or any information storage
and retrieval system, without permission in
writing from the publisher.

Preface

These indexes are cumulations of the monthly Subject, Taxonomic and Geographic indexes from the 1976 volume of **Aquatic Sciences and Fisheries Abstracts**.

The **Subject Index** is compiled by selecting terms from the Structured Thesaurus of Descriptors for the Aquatic Sciences and Fisheries, FAO, Research Information Unit, Rome, 1974.

The **Taxonomic Index** consists of Latin names derived from each paper in conjunction with several reference sources the main one being the FAO Taxonomic Code (FAO Fisheries Technical Paper No. 12 Revision 1).

The **Geographic Index** is compiled by selecting terms from the Aquatic Sciences and Fisheries Abstracts Geographic Authority List (ASFIS-GA- -1). Use has been made of additional sub-entries as free terms, where the document requires further specificity.

The selected terms are permuted to generate the formatted chains which make up the index entries, each significant term in the chain being automatically-rotated to become the primary entry point, entered in bold typeface.

Linked with the preparation of the tapes 1975-77, the data recording and generation of these indexes have been financially supported by the Government of the Federal Republic of Germany and performed by the **Bundesforschungsanstalt für Fischerei, Hamburg**, the German ASFIS-Centre. The data processing and photocomposition was carried out under contract by Satzrechenzentrum Hartmann & Heenemann, Berlin.

IRL publications

Abstracts journals

Animal Behaviour Abstracts
Aquatic Sciences & Fisheries Abstracts:
Part 1 - Biological sciences and living resources
Part 2 - Ocean technology, policy and non-living resources
Biochemistry Abstracts:
Part 1 - Biological Membranes
Part 2 - Nucleic Acids
Part 3 - Amino-acids, Peptides & Proteins
Calcified Tissue Abstracts
Chemoreception Abstracts
Ecology Abstracts
Entomology Abstracts
Genetics Abstracts
Immunology Abstracts
Microbiology Abstracts:
Industrial & applied microbiology
Bacteriology
Algology, mycology & protozoology
Toxicology Abstracts
Virology Abstracts

A list of source periodicals used in the preparation of these abstracting services is available free of charge on request.

Periodicals

Carcinogenesis
Chemical Senses
Nucleic Acids Research
Journal of Plankton Research

Books

Symposium proceedings
Structure-Activity Relationships in Chemoreception
Preference Behaviour and Chemoreception
Third Symposium on the Chemistry of Nucleic Acids Components
Fourth Symposium on the Chemistry of Nucleic Acids Components
Fourth Symposium on Nucleic Acids Chemistry
Fifth Symposium on Nucleic Acids Chemistry
Sixth Symposium on Nucleic Acids Chemistry
Seventh Symposium on Nucleic Acids Chemistry
Biological Separations in Iodinated Density-Gradient Media
Centrifugation: A Practical Approach
Gel Electrophoresis: A Practical Approach
Immunologic Aspects of Dental Caries
Microbial Aspects of Dental Caries
Phosphorylated Proteins and Related Enzymes
Olfaction & Taste VI

Olfaction & Taste VII
Methods of Caries Prediction
Sweeteners and Dental Caries
Mechanisms of Localised Bone Loss
Saliva & Dental Caries
Dental Plaque and Surface Interactions in the Oral Cavity
Bibliographies
A Collection of Published tRNA 5S and 5.8S rRNA Sequences
Obesity 1964-1973
Obesity 1974-1979
Bibliography on Mycoplasma
Time - A Bibliography
Rapid Methods & Automation in Microbiology & Immunology - A Bibliography



Tapes

Since January 1978 this journal together with all other abstracts journals published by IRL has been processed by computer using the ASSASSIN system developed by the Imperial Chemical Industries Agricultural Division. Searchable tapes are therefore available of the entire data base accumulated since January 1978 or of subsets consisting of the medical group of IRL abstracting services or of individual journals. Please ask for full details at your nearest IRL office.

Back volumes/microfilm editions

Back volumes are available for all IRL journals more than one year old. It is the policy of IRL however to allow to go out of print (OP) volumes more than five years old. While stocks remain prices for printed back volumes are quoted by the Publisher. All volumes declared OP are maintained on microfilm masters from which duplicates are obtainable.

Abnormalities,

- Amphibia* 5945, 6361
Bacteria 5954
Chrysophrys major 13287
Clausocalanus 11660
Cosmarium botrytis 11509
Culex tarsalis 8308
Cypraea tigris 2608
Ethusa investigatoris: ISW, India, Cochin 10485
Laminaria faeroensis: ANE, Shetland 9120
Lates mariae: Africa, Tanganyika L. 5038
Littorina littorea: ANW, USA, Maine, Deer Isle, Northwest Harbor 10434
Mastacembelus pancalus 1531
Notophthalmus viridescens 10677
Paramecium aurelia 12834
Paramecium tetraurelia 9203
Pisces 8737
Platichthys flesus 3293
Rachycentron canadum: ASW, USA 7256
Salmo gairdneri: USA, Nebraska, McConanghy L. 6206
Sardinella: ISW, India 4043
Scorpaena agassizi: ANW, USA, South Carolina 2916
Spondyllosoma cantharus 11753, 12950
Tetrahymena pyriformis 4847, 8160, 10394
Urosalpinx cinerea follyensis 4907
Xenopus laevis 9485
Xiphophorus maculatus 2759
Zaniolepis latipinnis: INE, USA, California, Monterey Bay 12952
Anatomy: *Clausocalanus*: ANE 1851
Absorption,
5787, 13495
Australia, New South Wales, inland waters 10161
PSE, Australia, New South Wales 10161
Algae 10329
Fucus serratus 2541
Laminaria digitata 2541
Octopus vulgaris 11641
Phoronis psammophila 13261
Tilapia grahami 6352
Abundance,
5333, 12449, 13346
ANE, British Isles, Hampshire, North Hayling 9816
ANW, Gulf Stream 5331
Argentina, Parana R. 6590
ASW, Curacao 6579
Czechoslovakia, Gabcikovo 8638
Netherlands, Tienhoven 12736
USA, Washington, Sammamish L. 13371
Acantharia: A, Atlantic 4195
Acanthaster planci: ISEW, Great Barrier Reef 9734
Algae 10952
Algae: ASE, Greece 5332
Algae: Czechoslovakia, Bratislava 8613
Algae: Netherlands, Tienhoven 12738
Anabaena perturbata: USA, Minnesota, Rice March L. 9136
Anisoptera: Mexico, Mazatlan, Inland waters 12925
Antarctodarwinella: PSW, British Antarctic Territory, Seymour I. 10439

- Athripsodes* 5001
Bacillariophyceae: ASE, Egypt, Arab Rep, Bardawil Lagoon 11467
Bacillariophyceae: ISE, Peru Current 5346
Bacteria: America, Erie L. 8998
Bacteria: ASW, USA, Florida, Biscayne Bay 5465
Bacteria: USSR, Ukraine 5952
Bacteria: World oceans 9768
Bacteria: World tropical regions 10974
Balaenoptera: PS, Antarctic Ocean 9547
Basommatophora: World Waters 11875
Calanus finmarchicus: ANE, Norway 12065
Calanus finmarchicus: ANE, Norwegian Basin 5341
Ceratium: INW, Japan 12734
Ceratophogonidae: Germany, F.R., Hessen, Schlitz 7579
Chelonidae: ISW 2041
Chlorophyta: British Isles, England, Somerset 9115
Chondrus crispus: ANW, USA, Massachusetts 4165
7586, 7699, 9668
Cladocera: Netherlands, Tienhoven 12876
Cladocera: USA, Michigan, Lawrence L. 8617
Clupeoidei: ASE, Tunisia 3475
Clupeonella engrauliformis: USSR, Caspian Sea 10884
Cololabis saira: INW, Japan 13328
Copepoda: ASE, Spain, Menor Sea 12076
Corbicula manilensis 4399
Corophium triaenonyx: ISW, India, Visakhapatnam 13179
Coryphaenoides rupestris: ANW 12455
Crenobia alpina: British Isles, Wales, Inland waters 12145, 12145
Crustacea: America, Erie L. 9708
Crustacea: USA, West Virginia, Moncove Lake 5348
Culicidae: Kenya, Kano Plain 8310
Culicoides: USA, North Carolina 9321
Cumacea: INE, USA, California 3952
Decapoda: ISE, Panama Gulf 10996
Diatomeae: Netherlands, Tienhoven 12737
Ephemerella ignita: British Isles, Dorset, Bere Stream 10891
Etrumeus teres: ISE, California Gulf 13772
Euphausiacea: ISW 6550
Foraminifera: ISW, India, Visakhapatnam, Chipurupalle 9696
Gadu morhua: PNW, Barents Sea 11730
Gammaridae: USA, West Virginia, Grant County 12088
Glyptotendipes paripes 8533
Heterosomata: INE, California Current 12395
Heterosomata: ISE, California Current 12395
Homarus americanus: ANW, Canada, Nova Scotia, St. Margaret's Bay 10849
Invertebrata: Poland, Mikolajskie L. 13364
Invertebrata: USA, Colorado, North St. Vrain Creek 8673
Invertebrata: USA, Iowa 9797
Invertebrata: USA, New York, Montezuma Natl. Wildl. Refuge 9720
Laminaria longicruris: ANW, Canada, Nova Scotia, St. Margaret's Bay 10849
Lecane eswari: India, Andhra Pradesh 12798
Lepas anatifera: ANE 12059

- Littorina littorea*: ANW, USA, Connecticut 7606
Lucifer: ASW, Brazil 4184
Lucilia bufonivora: Poland, Inland waters 4161
Macrourus berglax: ANW 12455
Mallotus villosus: PNW, Barents Sea 11729, 11731
Mercenaria mercenaria: ANW, USA, South Carolina 11604
Mitridae: ISE, Hawaii, Oahu I. 10437
Mollusca: Guatemala, Lago De Peten 12112
Monotosporella tuberculata: Hungary 9105
Mugilidae: ASE, Sierra Leone, Black Johnson Estuary 11984
Nassarius obsoletus: ANW, USA, Connecticut 7606
Nesumia bairdii: ANW 1245
Oncorhynchus kisutch: INW 8857
Opisthobranchia: ASW, USA, Texas, Cameron County 12843
Ostracoda: AN 12061
Ostracoda: PN, Arctic 11651
Pandalus borealis: ANW, Canada, Quebec 8852
Parapontellidae: ASE, Mediterranean 11887
Phocidae: INW, Kuril Is. 5627
Pinnipedia: Australia coasts 13071
Pinnipedia: PSE, New Zealand 13071
Pisces: ANE, Norwegian Basin 11727
Pisces: ASE, Tunisia 11202
Pisces: Canada, Alberta, Peace R. 6191
Pisces: Czechoslovakia, Rokytina R. 3029
Pisces: USA, New York, Oneida L. 7495
Platanista gangetica: India, Indus R. 9674
Pocillopora damicornis: ISE, Panama Gulf 10996
Pontellidae: ASE, Mediterranean 11887
Pteropoda: ANE 2902
Salmo gairdneri: USA, West Virginia, Spruce Knob Lake 12463
Salvelinus malma: INW, Japan 9522
Sardinops sagax: ISE, California Gulf 13772
Sciaenidae: ASW, Brazil 8491
Scylla serrata: PSW, South Africa 5305
Sebastes marinus: ANE, Iceland 13153
Sebastes marinus: PNW, Barents Sea 5628
Sebastes mentella: PNW, Barents Sea 5628
Siphona geniculata: British Isles, England, Reading 10859
Strongylocentrotus droebachiensis: ANW, Canada, Nova Scotia, St. Margaret's Bay 10849
Stylochoplana sargassicola: INE, USA, California 9170
Stylommatophora: World Waters 11875
Teleostei: INE, USA, California 10539
Tisbe: ASE, Venice Lagoon 11656
Triturus cristatus: British Isles 8418
Zostera marina: ANW, USA, Virginia, Chesapeake Bay 11458
Zostera marina: INE, USA, California, Agua Hedionda 10747
Fish larvae: *Glyptocephalus cynoglossus*: ANW, USA, Virginia 2174
Fisheries resources: *Clupea* 1023
Geographical distribution: *Oithonidae*: ISEW, Malaysia 1611
Microorganisms 1610
- Pollution effects: *Copepoda*: ASE, Greece 1980
Seasonal variations: *Copepoda*: INW, Japan, Seto-Naikai 226
Seasonal variations: *Fungi*: USA, Wisconsin, Winnebago L. 2469
Spawning: *Engraulis encrasicolus*: ASE, Trieste Gulf 2808
Stock assessment: *Pisces*: INE, USA, California, Alamitos Bay 1025
Abysal zone,
7046, 10940
I, Pacific 3723, 13129
Antimora rostrata 6288, 6289, 6291, 6292, 6293
Antimora rostrata: World Oceans 6192
Bryophyta: British Isles, Scotland, Inland waters 11874
Neotanaididae: ANW, USA, Massachusetts 6152
Notosudidae 8354
Storhyngura magnifica: AN 10478
Experimental fishing: ISE, Hawaii, Kona 2148
Acclimation,
Acmaea limatula 6121
Algae: World waters 9992
Anguilla anguilla 9436
Austropotamobius pallipes 8299, 9316
Barytelphusa cunicularis 11693
Carassius auratus 1552, 6281, 9443
Carcinus maenas 8294
Cichlasoma nigrofasciatum 13189
Cribrina xanthogrammica 6463
Gadus morhua: PNW, Kildin I., Mogil'noe L. 5848
Hemigrapsus nudus 11701
Ictalurus punctatus: USSR, Ukraine 12367
Idotea balthica: ASE, Italy, Venice Lagoon 9574
Invertebrata: USSR, Inland waters 7794, 7826
Invertebrata: World waters 9992
Lepomis macrochirus 9584
Mytilus edulis 9256, 12858
Oncorhynchus kisutch 6280
Paramecium caudatum 2593
Penaeus aztecus: ASW, Mexico Gulf 11921
Penaeus setiferus: ASW, Mexico Gulf 11921
Pisces 6462
Pisces: World waters 9992
Pisidium walkeri 12864
Platichthys flesus 5074, 13019
Poecilia reticulata 2812
Portlandia arctica: PNW, White Sea 9588
Salmo gairdneri 6303, 9437, 10000
Salmo irideus 5084
Salmo salar 12350, 13671
Salvelinus 9582
Salvelinus fontinalis 8406
Sebastes 13176
Stizostedion canadense 13173
Stizostedion vitreum 13173
Tautoga onitis 9568
Tilapia mossambica 8394
Urodela 9496
Controlled conditions: *Neomysis awatschensis* 362
Acidity,
8782

- Sweden 5864
Salmo gairdneri 8400
Teleostei: Sweden, Avaa L. 6758
- Acids,**
 5941, 9008, 9904
- Norway 5422
Bufo arenarum 9498
Cancer pagurus 4995
Cassidaria echinophora 7187
Chrysophrys major 13246
Desmarestia ligulata 10335
Echinaster 4860
Hyphomycetes 2483
Microciona prolifera 9218
Palaemon serratus 4994, 4995
Pila globosa 8226
Pseudomonas 8884
Salmo salar 6327
Teleostei 11798
Trachurus japonicus 10619
- Acoustic equipment,**
 3689, 6811, 6812, 7068, 7929, 8941, 8952, 9991, 11116
- Africa, Rudolf L. 9984
Gadus morhua: PNW, Barents Sea 11303
 42
 Cruises: ASE, Biscay Bay 2300
- Adaptations,**
Gasterosteus aculeatus 8541
- Adsorption,**
 3220
 Metabolites: *Invertebrata* 175
- Aeration,**
 6997
 ASW, USA, Texas, Corpus Christi Harbor
 Channel 13434
 USA, West Virginia, Spruce Knob Lake 11426
Escherichia coli 13894
Pisces 11199
Salmo gairdneri: USA, West Virginia, Spruce Knob
 Lake 12463
- Aerial photography,**
 3662, 10140
 America, Superior L. 12629
 ANE, Germany, F.R., Eider estuary 7956
 ASE, Venice Lagoon, Dese R. 11388
 ISE, New Zealand 8482
 Sweden, Ekoln L. 10136
 USA 3684
Thalassia testudinum: ANW, USA 11459
Zostera marina: ANW, USA, Virginia, Chesapeake
 Bay 11458
 2315
- Aerial surveys,**
 12692
 ANW, USA, Maryland 1150
 ANW, USA, Massachusetts 7652, 7653
 ANW, USA, New York 3684
 ASE, Africa 9002
 INE, Canada, British Columbia 6845
 Nigeria, Kainji L. 12667
- PSW, South West Africa 13759
Oncorhynchus kisutch: INE, USA, Oregon 11216
Pagophilus groenlandicus: ANW 13841
Sardinops ocellata: ASE, Atlantic 13853
Sirenia: Australia, Inland waters 8610
 Coastal zone 35
 Statistical analysis: *Oncorhynchus* 932
- Aerobic bacteria,**
 ANE 7382
 ASE 7382
- Aerobic respiration,**
Arctica islandica 6123
Decapoda 10495
Euphausia pacifica 10725
Glycera dibranchiata 10400
Invertebrata 10127
Lepomis cyanellus 13183
Modiolus modiolus 12862
Mya arenaria: ANW, USA, Maine, Casco Bay 11064
Mytilus edulis 7190, 9250
Nereis virens 10400
Oscillatoria 7130
Phaeodactylum tricornutum 10326
Pisces 5093, 10127, 10607
Protopterus amphibius 10647
Pseudopleuronectes americanus 10726
Spisula solidissima 11063
- Aerosols,**
 3788, 7659
 America, Michigan L. 8735
- Agar,**
Gracilaria edulis 11193
- Age composition,**
Anguilla 13205
Anguilla: Poland, Marozka R. 13309
Calanus finmarchicus: ANE, Norwegian Basin 5341
Chlamys islandica: ANW, St. Lawrence Gulf 8842
Engraulis mordax 9358
Esox lucius: British Isles, Frome R. 7233
Esox lucius: British Isles, Stow R. 7233
Gadidae: ANE, Norway, Lofoten 11901
Gadus poutassou: ANE, Irish Sea 8856
Katsuwonus pelamis: ANE 12421
Katsuwonus pelamis: ASE 12421
Littorinidae 11949
Macrouridae: IN 7422
Mallotus villosus: PNW, Barents Sea 11729, 11731
Merluccius merluccius: ASE, Spain 6871
Micropterus salmoides: USA, West Virginia, Moncove
 L. 5238
Muricea californica 6474
Oncorhynchus: USSR, Sakhalin 6444
Ophiocephalus punctatus 8560
Percopsis omiscomaycus: USA, West Virginia 5237
Salmo clarki: Canada, British Columbia, Vancouver Is.,
 Great Central L. 6483
Sarda chiliensis 5230
Scombridae: A, Atlantic 12023
Sebastes: PNW, Barents Sea 11898
Squalius cephalus: British Isles, Dorset, Stour R. 7426

Thunnus alalunga: A, Atlantic 12441
Thunnus albacares: A, Atlantic 12021
Thunnus thynnus: ANW, Canada 13845
Thunnus thynnus: ASE, Biscay Bay 3454
 Gear selectivity: *Clupea* 1023
 Growth: *Bagrus meridionalis*: Malawi, Malawi L. 1713
 Growth rate: *Stizostedion*: Canada, Yamaska R. 1716

Age determination,

Chrysophrys major: INW, Japan, Hiroshima 13215
 Otoliths: *Agripis trutta* 1718

Age distribution,

Merluccius bilinearis: ANW, Scotian Shelf 12431
Stizostedion vitreum: USA, New York, Oneida L. 10890

Ageing methods,

INW, Japan Sea 4706
 ISW, India 9076, 9077
Anguilla 13205, 13206
Anguilla: Africa, Kariba L. 7493
Branchiostegus japonicus: INW, Japan 1705
Cardisoma guanhumi 10767
Chrysichtys nigrodigitatus 10810
Cliona celata: ANW, USA, New York, Gardiners Island 8135
Colpidium campylum 8557
Cryptobranchius alleganiensis: USA, Missouri, Niangua R. 10809
Dentex tumifrons: ISEW, East China Sea 10796
Dentex tumifrons: ISEW, South China Sea 10796
Dugong dugong 8555
Haliotis cracherodii 7435
Lutjanidae 11816
Macrurus magellanicus 5232
Mollusca 11963
Mya arenaria: INE, USA, Alaska 5236
Mytilus edulis: ANW, USA, Maine 11956
Nephtys hombergii 10879
Oncorhynchus gorbuscha 9425
Pisces: Brazil, Parana Medio 7432
Raphoneis 7093
Sardinella aurita: ASE, Congo, People's Rep., Pointe-Noire 8556
Scorpaenidae: INE 6482
Squalius cephalus: British Isles, Dorset, Stour R. 7426
Squilla mantis 13330
Tetrachymena pyriformis 5235
Thunnus thynnus: A, Atlantic 13217
Thymallus thymallus: British Isles, Wales 7424
Trichiurus lepturus: INW, Japan, Kii Channel 10798

Aggregations,

Alcyonidium polyoum 7364, 9804
Anthopleura elegantissima 13191
Axinella polypoides 10403
Copepoda: INW, Japan, Oshoro Bay 7522
Creseis acicula: ISW, India, Cochin 10923
Cyprideis torosa: Belgium 6460
Dictyostellium discoideum 7168
Ephydatia fluviatilis 9564
Geodia cydonium 10409, 12823
Hydrozoa 13202
Invertebrata 9516

Penilia avirostris: ISW, India, Cochin 10923
Spirorbis spirorbis 7364, 9804
Spongia 9234
Viviparus georgianus: USA, Hudson R., Sawkill Tributary 7454

Aggressive behaviour,

Betta splendens 2958, 6326, 9590, 10758, 10776, 11931, 13190
Blennius pholis 11936
Cardisoma guanhumi 10767
Cetacea 9469
Etroplus maculatus 8552
Eupomacentrus planifrons 10764
Gasterosteus aculeatus 7415, 9602, 10753
Gnathonemus petersii 4115, 9591, 13201
Gymnocephalus cernua 7417
Haplochromis burtoni 10757, 11925
Haplochromis polli 13187
Hemihaplochromis philander 13187
Hiodon alosoides 10780
Homarus americanus 13716
Lamprologus brichardi 13186
Lepomis macrochirus 4116, 13188
Mirounga angustirostris 8539
Mormyrus rume 13201
Neopanope sayi 8542
Notropis analostanus 5205
Panulirus longipes 10761
Periophthalmus sobrinus 8551
Periophthalmus sobrinus: ISW, Malagasy Rep., Morondava 8551
Pisces 6462, 9601
Poecilia reticulata 10755
Pomatomus saltatrix: ASW, USA, Florida 7410
Rana 10789
Salmo gairdneri 11947
Semotilus atromaculatus: USA, Ohio 10766
Tonna galea 6465
Trichopsis vittatus 11924
Xiphias gladius: ASW, Blake Plateau 1697
Xiphophorus 5219, 11945
Xiphophorus helleri 5223
 Chemoreception: *Cichlasoma nigrofasciatum* 2965
 Stimuli: *Amphiprion bicinctus*: ISW, Aqaba Gulf 369
 Territorial behaviour: *Cichlasoma nigrofasciatum* 2965

Aggressive behaviour 86 Statistical analysis,

Xiphophorus helleri 8553

Aging methods,

Caenorhabditis briggsae 9235

Agricultural runoff,

6725, 8769, 13449
 British Isles 6727
 Finland, Inland waters 12621
 ISE, Tahiti 7583
 South Africa, Rietulei Reservoir 11104
 USA, Washington 4336
Ambassia gymnocephalus 9888
Puntius bimaculatus 9888
 Chemical pollutants 497
 Water pollution 496

Agriculture,

- 6676, 10110
- Mexico, Oaxaca Valley 8809
- USA, Illinois 4416

Agropisciculture,

- 13593, 13667
- Vietnam, Mekong, R.basin 13583
- Cyprinus carpio*: Philippines 13632
- Tilapia mossambica*: Philippines 13632

Air bubbles,

- 11317
- Nymphula nymphaeata* 9327
- Ultrastructure: *Algae* 1321

Air pollution,

- America, Michigan L. 8735
- ISW, India 10208

Air-water interface,

- 2407, 3705, 7974, 10204, 11342, 12682, 12685, 12686, 13657

- America, Erie L. 7973
- America, Michigan L. 8735
- ANE, Germany, F.R., Sylt Is. 11359
- ASE, Mediterranean 12663
- Canada, Ontario 2408
- PN 12603
- PN, Arctic 3791
- PS, Antarctica 3791
- USA, Minnesota, Shagawa L. 7973
- USA, New York, Montauk L. 3787
- World ocean 11395
- Mytilus edulis* 9251, 9252
- Temperature effects 1211, 1212
- Water temperature 1188 ..

Airborne equipment,

- 6630, 11112, 2315

Aircraft,

- Invertebrata* 8807

Alarm substances,

- Anthopleura elegantissima* 10773
- Cypriniformes* 8413
- Gnathopogon elongatus* 1689
- Rhodeus ocellatus* 1689
- Trobolodon hakonensis* 1689

Albinism,

- Ambystoma* 9460
- Cyprinus carpio* 9393
- Dendrodoris krebssii*: ASW, Brazil, Cananeia 2607
- Morphology (organisms): *Orconectes virilis*: USA, Illinois, Kishwaukee R. 1441

Algal blooms,

- 5181, 12292, 13388
- ANE, Baltic 9715, 9748, 9749
- ANE, Germany, F.R., Schlei Fjord 12067
- ANE, Kiel Bight 9684
- ASE, France, Berne lagoon 12132
- ASW, USA, Texas 4395
- Czechoslovakia, Danube R. 12082
- USA, California, Lopez Reservoir 4422
- World lakes 7670

- Algae*: PSE, New Zealand 10292

- Aphanizomenon flos-aquae*: ANE, Baltic 9755
- Aulacodiscus kittoni*: PSE, New Zealand 10292
- Cachonina illdefina*: INE, USA, California 12752
- Ceratium hirundinella*: Poland, Mikolajskie L. 13409
- Coelastrum microporum* 2493
- Cyanobacteria* 3841
- Cymbella* 3124
- Fragilaria oceanica*: ISW, India, Mangalore 10924
- Gonyaulax*: USA 9943
- Gymnodinium*: USA 9943
- Nodulaia spunigena*: ANE, Baltic 9755
- Oscillatoria agardhii*: ANE, Sweden, Stockholm archipelago 9861
- Peridinium cinctum*: Israel, Kinneret L. 1332
- Thalassiosira*: ANW, Bedford Basin 5260
- Trichodesmium*: ISW, India, Cochin 10923
- Antibiotics: *Bacteria* 122
- Biological rhythms: *Chaetoceros armatum* 1673
- Ecology: *Gonyaulax polyedra*: INE, USA, California 728
- Oceanographic data: *Gonyaulax tamarensis*: ANW, USA, Massachusetts 729
- Physiology: *Gonyaulax polyedra*: INE, USA, California 728
- Water quality: USA, Maryland, Baltimore 2011

Alginates,

- 12472
- Bacillus firmus* 5963
- Undaria pinnatifida* 13872
- Chemical extraction: *Laminaria ochroleuca* 149

Alimentary organs,

- 6738
- Anguilla anguilla* 7323
- Asellus aquaticus* 11671
- Chimaera monstrosa* 5042
- Coccorella* 11759
- Cryptochiton stelleri* 8245
- Culicidae* 9333
- Ictalurus punctatus* 7320
- Labeo calbasu* 12948
- Labeo rohita* 3991
- Lamellidens corrianus* 12844
- Lardoglyphus konoii* 10535
- Lutjanus synagris*: ASW, Brazil, Ceara 2756
- Myxine glutinosa* 8393, 9348
- Octopus vulgaris* 11641
- Opisthobranchia* 8199
- Penaeus aztecus* 8259
- Pisces* 6272, 6489, 8602
- Pleuronectes platessa* 9999
- Pleuronectiformes* 5252
- Rita rita* 8378
- Salmo gairdneri* 10569
- Scylla serrata* 11704
- Sepia officinalis* 11632
- Tardigrada* 10372
- Teleostei* 9334
- Teleostei*: India 6271
- Tilapia grahami* 6352

Alka**Alkalinity,**

6965

USA, Alabama 3731

USA, Mississippi 3731

Algae 10920

Allopatric populations,*Invertebrata*: I, Pacific 5163, 5163*Micromesistius australis*: PSE 12046*Micromesistius australis*: PSW 12046**Aluminium,***Discoglossus pictus* 8478Pollution effects: *Ictalurus catus* 632Synergism: *Ictalurus catus* 632**Americium,**

3186

Amino acids,

7950, 8675, 11511, 12720, 13354

ANE, Poland 13511

INE, USA, California 9019

Poland, Biata Przemsza R. 7949

Poland, Sota R. 7949

Algae 2532, 8122

Algae: ANE, Iceland 10333

Annelida 2584*Arthropoda* 12719*Bacteria* 5416*Bacteria*: AN 11450*Balaenoptera acutorostrata* 10671*Cancer magister* 8281*Cetacea* 2459*Chiridota rigida* 2587*Chlorella fusca* 7129*Crustacea* 5246, 7221*Crustacea*: India, Kakinada 12723*Cyclotella cryptica* 10338*Cyprinus carpio* 12363*Dermasterias imbricata* 9229*Euglena gracilis* 6074*Euphausia superba* 13875*Heterodontus portusjacksoni* 11803*Invertebrata* 10408*Lagodon rhomboides* 13252*Loligo vulgaris* 2459*Mollusca* 12719*Mollusca*: India, Kakinada 12723*Mytilus californianus*: INE, USA, California, Trinidad Bay 8583*Mytilus edulis* 3942, 9251*Myxophyceae*: USSR, Inland waters, Moldavia 11521*Nitzschia angularis* 13260*Oncorhynchus keta* 9414*Ornithorhynchus anatinus* 11849*Orthetrum chrysis* 3983*Patinopecten yessoensis* 7887*Penaeus japonicus* 13245*Penaeus kerathurus* 9571*Phoronis psammophila* 13261*Pila virens* 8228*Pleurodeles waltlii* 13106*Psammecinus miliaris* 10411*Pseudopleuronectes americanus* 11810*Rana catesbeiana* 7342*Rana pipiens* 8474*Salmo gairdneri* 5070, 6303, 7813*Scenedesmus* 9152*Selachii*: India, Kakinada 12723*Sphaeroma serratum* 4982*Spirulina platensis* 9149, 12774*Spisula sachalinensis* 3937*Teleostei*: India, Kakinada 12723*Tetrahymena pyriformis* 11584*Theragra chalcogramma*: INW, Primor'e 7868*Uca pugnator* 9311Canned products: *Scomber scombrus* 2185Eyes: *Lepisosteus spatula* 1598

Fish meal 1046

Haemoglobin: Serological studies: *Ornithorhynchus anatinus* 2857Metabolism: *Mollusca* 2650Seasonal variations: *Algae*: ISW, Egypt, Arab Rep. 2520

Water Analysis (chemical): ANE 74

Ammonia,

4618, 5487

Uganda, George L. 7976

Amphidinium carterae 9157*Crassostrea virginica* 11646*Ictalurus punctatus* 13442*Mercenaria mercenaria* 11646*Mopalia muscosa* 8247*Nitrosococcus mobilis* 11445*Pistia stratiotes* 13516*Salmo gairdneri* 11085**Anadromous migrations,**

ANE, Bristol Channel, Severn Estuary 11133

Acipenseridae 343*Salmo salar*: USA, Connecticut, Connecticut R. 7821*Salmonidae* 343Survival: *Salmonidae*: USA, Columbia R. 958**Anaerobic bacteria,**

Tunisia, Tunis L. 12131

USA, Michigan, Wintergreen L. 3833

USA, Wisconsin, Mendota L. 3800

Anaerobic respiration,*Aeromonas* 9103*Arctica islandica* 6123*Cardium edule* 8219*Euzonus mucronata* 10751*Modiolus demissus* 2650*Thiodysys sterreri* 8222*Thiomicrospira denitrificans* 8081
1272**Anaesthesia,***Dicentrarchus labrax* 3988*Mirounga angustirostris* 4056*Mollusca* 11434*Mugil cephalus* 3988*Sparus auratus* 3988*Stichococcus bacillaris* 11535*Stichopus badionotus* 12833

Torpedo marmorata 8409
Juveniles: *Morone saxatilis* 2118
Metabolites: *Oryzias latipes* 1558

Anaesthetics,
Anguilla 13572
Carassius auratus 13051
Ctenopharyngodon idella 13687
Hypophthalmichthys molitrix 13687
Salmo gairdneri 13470

Analytical techniques,
11015, 11860
INE 2302

Anatomy,
Acipenser ruthenus 11752
Ambystoma 9460
Amphibia 9475, 9486
Anchoa 9363
Anguilla anguilla 10547, 12946
Annelida 9179
Aplysia 10462
Ascidacea 9092
Asellus aquaticus 11671
Balaenoptera bonaerensis: PS, Antarctic Ocean 9473
Balanus balanoides 6127
Berardius 9474
Bufo marinus 8426
Butomus umbellatus 11486
Caiman crocodilus 5105
Callorhynchus callorhynchus 5031
Carteria spiculotesta 9182, 11555
Caudata 8433
Centropomidae 3998
Cephalochordata 9092
Cerastoderma glaucum: ASE, Tunisia 11617
Cerithium moniliferum: ISEW, Great Barrier Reef 11628
Cetacea 2851, 9453, 11838
Channa marulius 12961
Channa striatus 12961
Chelonia 11835
Chondrichthyes 9092
Cnidaria 10374
Cobitidae 3992
Coccorella 11759
Congeriomorpha 11612
Conus flavidus 8206
Copepoda 12001
Corymbellus aureus 5977
Crinoidea 9089
Cyclostomata 9092
Cyprinus carpio 12947
Cyprinus carpio: USSR, Inland waters 12370
Dapsilodus: USA, Illinois 10103
Delphinidae 2849
Dendrodoris warta: ASW, USA, Florida, Treasure I. 11619
Dermochelys coriacea: ASW, Brazil, Marajo I. 11831
Dugong dugong 13063
Echineulima: World tropical regions 8196
Eledone cirrosa 10449
Enhydra lutris 2847
Esox lucius 7297
Eubranchus: INW, Japan, Echizen, Ayukawa 10441
Eubranchus horii 2641
Eupera: Brazil, Rio Grande do Sul, Guaiba R. 9243
Fajumia schweinfurthi: ASE, Egypt, Arab Rep. 11758
Flabelligeridae 2551
Fundulus grandis 5026
Fundulus heteroclitus 10583
Gadus morhua 9407
Galemys pyrenaicus 13087
Geoclemys reevesii 11840
Gobio gobio 10568
Gonorrhynchiformes 5015
Haplochromis 10573
Heteropneustes fossilis 9345
Homarus americanus 9282
Huso huso 11752
Hymenomonas lacuna: INE, USA, Washington 5975
Ictalurus punctatus 7320
Katsuwonus pelamis 7244
Lampris guttatus 10560
Lipotes vexillifer 4041
Lymnaea stagnalis 9244
Macrobrachium hendersodayanum: India, Khanapur, Malaprabha R. 10484
Matuta lunaris 11989
Mollusca 12847
Neodeuteroberis pritchardae: Colombia 9659
Neogastropoda: ISE, California Gulf 12856
Nereocystis 8100
Nerophis lumbriciformis 10596
Oithona ovalis 10473
Oncorhynchus 5009
Orthosuchus stormbergi: Lesotho 4039
Oryzias latipes 4004
Osteichthyes 9092
Panulirus argus: ASW, USA, Florida 10487
Phoca: INW, Japan 9472
Pholidichthys leucotaenia: ISEW 11765
Phoronida 9176
Pinnotheres maculatus 10839
Pisces 8349, 10570, 10582, 11815, 13453
Platanista gangetica: Bangladesh, Brahmaputra 9471
Pleurodeles waltlii 7343
Polyplacophora: INE, USA, California 8246
Polypterus senegalus 2754
Pomatodus saltatrix 3999
Pontoporia blainvillei 10667
Pontoporia blainvillei: ASW, Uruguay 9471
Priapulus: ISW, Bengal Bay 8502
Pristipomoides multidens 9365
Pseudocycnus armatus 10479
Pteropoda 12846
Puntius conchoniui 12964
Puntius stigma 12964
Pyruridae: PSE, Australia, New South Wales, Sydney 9484
Rana pipiens 10689
Reptilia 9475
Rondelettiidae 4001
Salmo gairdneri 7238

- Salmo trutta* 6198
Salmonoidei 10896
Sebastes: INE, USA, California 10138
Spaleromantis marina 9124
Spheniscus demersus: PSW, South Africa Rep. 9458
Stenella graffmani 13080
Synodontis schall 10641
Teleostei 8356, 10562
Thecacera pennigera: PSE, New Zealand 11618
Toledonia 10443
Tor tor 12947
Trachinus uipera 7260
Turbellaria 10389
Tusayana 11612
Xiphias gladius 6210
 Abnormalities: *Rana temporaria*: Finland 300
 Nervous system: *Salamandra salamandra* 302
 Skeleton: *Dasybatus sephen* 2779, 2780
 Taxonomy: *Cryptodira* 2845
 Taxonomy: *Microgobius signatus* 261
- Animal feed,**
Brachionus 3402
- Animal products,**
 Japan 1048
- Annual variations,**
 ANE 10207
 ANE, Norway 11354, 11355
 ASE, Mediterranean 7663
 British Isles, England, Frome R. 5856
 Canada, Ottawa R. 7664
 Germany, F.R., Constance L. 10149
 New Zealand, Mahinerangi L. 6585
Acanthaster planci: ISEW, Great Barrier Reef 7561
Callista chione: ASE, Italy 6473
Clupea pilchardus: ASE, Adriatic 6870
Coelenterata 6930
Cyprinidae: Europe, Constance L. 8565
Gadidae: ANE, Norway, Lofoten 11901
Gammarrus aequicauda: ASE, France 6156
Lithostrotion martini 5899
Panulirus cygnus: ISW, Australia, Western
 Australia 11123, 11232
Pteropoda: ISW, Indian Ocean 7518
Salmonella: Germany, Fed.Rep., Braunschweig 6623
Zostera marina: ANE, Finland, Tvarminne 9740
Zostera marina: ANW, USA, Virginia, Chesapeake
 Bay 11458
- Anoxia,**
Pisces 7298
- Anoxic conditions,**
 ANW, USA, North Carolina, Cape Lookout Bight 10177
Crustacea 6177
Euzonus mucronata 10751
Mollusca 6177
- Antibiotics,**
 2475, 9995, 12475
Achlya ambisexualis 9107
Acipenseridae: USSR, Inland waters 10586
Aeromonas hydrophila 11198
Algae 9150, 11523
- Bacteria* 5948, 7074
Casmarium impressulum 11518
Culicidae 12290
Cyprinus carpio 5598
Didinium nasutum 9236
Fungi: ANW, USA, Connecticut 4745
Fungi: USA, Connecticut 4745
Hydra littoralis 13262
Ictalurus nebulosus 11821
Ictalurus punctatus 6279
Salmo gairdneri 7820
Salmonella: Czechoslovakia, Danube R. 9666
Tetrahymena pyriformis 6476
- Antifouling substances,**
 6783, 6816, 7777, 13519, 13544
 ANW, USA, Massachusetts 7650
 ASW, USA, Florida 9845
Balanus improvisus: ASE, Black Sea 12302
Mytilus galloprovincialis: ASE, Black Sea 12302
- Antimony,**
Algae 7681
Invertebrata 7681
Pisces 7681
- Aquaculture,**
 4607, 8825, 9993, 11173, 12341, 13531, 13584, 13587,
 13591, 13592, 13594, 13595, 13598, 13600, 13601, 13605,
 13929
 Africa 5581, 11183
 ASE, Spain, Ebro delta 12679
 Asia 12548
 ASW, Caribbean Is. 10009
 ASW, Cuba 4577
 Australia 7791
 Europe 13602
 Germany, F.R., Bavaria 5720
 India, Barrackpore 2264
 ISW, India 4487
 Italy, Cilento 11170
 Japan 7889, 7935, 9994, 13273, 13590
 Latin America 12549
 Philippines 12550, 13577
 Taiwan 11168
 Thailand, Bangkok 12548
 Tunisia 3373
 USA 13599
 USA, Oklahoma, Inland waters 4401
 USA, southern states 13585
 Vietnam, Mekong, R.basin 13583
 World tropical waters 13586
Anadara tuberculosa 3130
Carassius carassius 13704
Coregonus lavaretus: Europe, Constance L. 5593, 5594
Crassostrea gigas 5611
Crassostrea virginica 5612
Ctenopharyngodon idella 2999
Ctenopharyngodon idella: Germany, Fed.Rep., Bavaria,
 Wielenbach 13678
Cyprinus carpio 5598, 13704
Leuciscus idus 648
Macrobrachium idella 4464
Macrocystis pyrifera 6842

- Mugilidae* 5226
Mytilus galloprovincialis: ASE, Italy 925
Oncorhynchus kisutch 7823
Oncorhynchus kisutch: ASW, USA, Alabama 4458
Oncorhynchus tshawytscha: USA, Maine 2115
Oncorhynchus tshawytscha 5954
Penaeus duorarum: ASW, USA, Florida, Biscayne Bay 12002
Pisces 7799, 10869
Pleuronectes platessa 10006
Salmo gairdneri 5590, 5596, 7820, 7822, 8538, 12362
Salmo gairdneri: ASW, USA, Alabama 4458
Salmo gairdneri: USA, Idaho 13700
Salmo gairdneri: USA, North Carolina, Inland waters 13703
Salmo trutta 5595, 8574
Salmonidae 5589
Scophthalmus maximus 9656
Solea solea 10006
Books 2048
Breeding: *Ctenopharyngodon idella* 2117
Diseases 389
Diseases: *Phoma herbarum* *Oncorhynchus* 1791
Economics: *Ictalurus punctatus*: USA, Arkansas 2101
Economics: *Ictalurus punctatus*: USA, Mississippi 2101
Economics: *Pisces* 1059
Education: Mexico 2084
Eggs 847
Energy flow 7797, 7798
Environmental factors 851
Eutrophication: *Ostracoda* 769
Feeding 7797
Fishery management 858, 1059
Food technology 1059
Growth rate: *Astacus astacus* 2130
Laboratory equipment 855
Larvae 847
Rearing: *Pisces* 904
Research institutions: Philippines 2253
Research programmes 855
Resource development 857, 1063, 3396
Resource development: ASW, Cuba 2056
Resource development: Cuba 2056
Resource development: *Rana*: India, Cuttack 3420
Resource development: *Rana*: USA 3420
Tropical zones: ISE, French Polynesia 855
- Aquaculture statistics,**
Australia 7791
Israel 13811
Ictalurus punctatus: USA 7816
Oncorhynchus: INE, Puget Sound 7814
- Aquaculture techniques,**
Brachionus plicatilis 13611
- Aquaria,**
11186
- Aquariology,**
3823, 4470, 6843, 9995, 13752
Brazil 11995
Canada 11197
Netherlands, Texel 2140
- Aeromonas hydrophila* 11198
Algae 5328
Bacteria: Southeast Asia 11197
Boetia 3424
Chanda ranga 5619
Doryteuthis bleekeri 10022
Hoplosternum thoracatum 5618
Marisa cornuarietis 10426
Pisces 5292, 10023, 11199, 11200, 13751
Sphaerichthys osphromenoides 5617
Limnological institutions: *Pisces*: Nigeria, Kainji L. 3426
Methodology: *Acmaea testudinalis* 1253
- Aquatic communities,**
3244
British Isles, England, Norfolk Broads 4226
USA, Montana, Flathead L. 13116
USA, New England, Connecticut River 4756
Algae: Uganda, Lake George 4234
Hydrachnellae: Guatemala 3982
- Aquatic mammals,**
Research programmes: USA 5
- Aquatic minerals,**
World oceans 3376
- Aquatic plants,**
6478, 7066, 8484, 9585, 9801, 10281, 10282, 11173
A, Atlantic 9541
ASE, Mediterranean 12098
ASW, USA, Florida 11148
ASW, USA, Mississippi 7106
British Isles, Berkshire, Freeman's Marsh 5771
Germany, D.R., Saale R. 10998
ISEW, Solomon Is. 4773
Italy, Bolzano, Anterselva, Salomon's Spring 9113
Philippines 12732
Poland, Mikolajskie L. 13393
Sweden, Ekoln L. 10136
USA, Delaware 9940
USA, Florida 4411
USA, Mississippi 7106, 8093
Burnatia anneandra 7096
Butomus umbellatus 11486
Gastropoda: Canada, Gentilly, St. Lawrence R. 7748
Invertebrata: Poland, Masurian Lakeland 13392
Wolffia arrhiza 8693
Chemical composition: USA, Connecticut, North Branford, Linsley Poud 142
Freshwater pollution: Germany, Fed. Rep., Lower Saxony 1974
Geographical distribution: Rhodesia 1662
Limnology: *Phragmites communis*: Germany, Fed. Rep., Bodensee, Gnadensee 66
Marshes: Sweden 1898
Tolerance: *Algae*: America, Erie L. 3039
Weeds: *Eichhornia crassipes*: USA, Florida 4419
- Arctic zone,**
USSR, Inland waters 11422
- Argon,**
ANE, Iceland 2350

Arsenic,

- Germany, F.R., Elbe R. 9831
 ISW, India, Goa 10170
Crustacea: ANW, Canada 13473
Gadus morhua 4032
Lepomis cyanellus 7262
Teleostei: ANW, Canada 13473
 Photochemical degradation: *Chlorella pyrenoidosa* 1334
 Pollution effects: ANW, Greenland 3299
 Sediment analysis: British Isles, Inland waters 1963

Artificial aeration,

- 6641, 10004, 13752
 Poland, Starodworskie L. 6638
 USA, Minnesota, Shetak L. 13515
 USA, New Jersey, Passaic R. 4301
Cyprinus carpio 8836
 Ponds 2094

Artificial fecundation,

- 10008
Acerina cernua 7280
Anabas testudineus 13692
Anabas testudineus: India, Bihar 13681
Anguilla anguilla 6257, 12999
Anguilla australis: New Zealand 13619
Anguilla dieffenbachii: New Zealand 13619
Channa punctatus 13683
Clarias batrachus 13692
Heteropneustes fossilis 13692
Hypophthalmichthys molitrix: Israel, Kinneret L. 7817
Limanda yokohamae 11176
Osteichthyes 4011
Penaeus 3412
Penaeus japonicus 13726
Salmo salar 7279
Salmonidae 5589
Siganus oramin 10001
Sparus auratus 1535
Tilapia mossambica 7281
 Environmental factors: *Salmo trutta* 2108
 Hormones: *Anguilla rostrata* 911

Artificial feeding,

- 4459, 5587, 10016
Calanus helgolandicus 7451
Catla catla 13695
Cirrhinus mrigala 13695
Cyprinus carpio 8828
Daphnia pulex 4137
Dicentrarchus labrax 11181, 13674
Mugil capito 13612
Neopanope 11973
Penaeus kerathurus 2132, 13612
Pisces 7799
Pseudocalanus elongatus 7214
Rhithropanopeus harrisi 11973
Salmo gairdneri 4460, 6824, 6829, 7822, 12354
Salmo trutta 4140
Scophthalmus maximus 10017, 13669
Sparus auratus 12355
Tilapia aurea: El Salvador 9998
Tilapia nilotica: Ivory Coast, Bouake 10015
Uca pugnator 12381

- Feeding equipment: *Dicentrarchus labrax* 850
 Fish culture: Indonesia 3395
 Fish oils 3539
 Freshwater aquaculture: *Ictalurus nebulosus* 905
 Juveniles: *Leander serratus* 854
 Larvae: *Mytilus galloprovincialis* 923
 Larvae: *Osireia edulis* 923
 Shellfish culture: Indonesia 3395
 Temperature effects: *Ictalurus nebulosus*: USA, Alabama 906

Artificial rearing,

- Arbacida lixula* 10396
Paracentrotus lividus 10396
Salmo gairdneri 10007
Siboglinum fiordicum 9212
Siluridae: Ivory Coast, Bouake 10011
Squilla nepa 2700

Artificial reefs,

- 12283
 ASW, USA, Florida 11148
 USA 4406
 Coastal engineering: USA 721
 Coastal fisheries: USA 721
 Community composition: PSE, New Zealand, I.Terr., Goat Island 3093
 Habitat improvement: USA 721

Artificial spawning,

- Acipenseridae* 12375
Callinectes sapidus 13732
Clarias macrocephalus 13673
Gastropoda 9586
Macrobrachium 11189
Menidia menidia 12361
Mugil cephalus 7825
Ophicephalus: India, inland waters 12983
Osteichthyes 4011
Penaeus 3412
Penaeus japonicus 13722
Platichthys flesus: ASE, Italy 4461
Salmo trutta 5595
Serranus cabrilla 13702
Thunnidae: Japan 879
 Aquaculture: *Mugil cephalus*: Taiwan 898
 Artificial fecundation: *Haliotis tuberculata* 916
 Hormones: *Pisces* 1751
 Stocking: *Salmonidae*: Japan 2176
 Temperature effects: *Cyprinus carpio* 899

Artisanal fishing,

- 5570, 10019
 ANW, Canada, Newfoundland 9967
 ASE, Mauritania 13533, 13535
 ASE, Nigeria 12311
 INE, USA 9968
 ISEW, Indonesia 12312
Ophiocephalus: ISEW, Indonesia, South Kalimantan 832
 Conferences: Brazil 2284
 Fishery economics: ASE, Mediterranean, France 2226
 Fishery economics: ASE, Mediterranean, Italy 2226
 Fishery economics: Brazil, Amazonas 3585

- Fishery organizations: Brazil 2255
 Labour: ASE, Mediterranean, France 2226
 Labour: ASE, Mediterranean, Italy 2226
 Resource development 3502
- Asbestos,**
 6627
- Asexual reproduction,**
Caulerpa peltata: INW, Japan 11500
Chlamydomona eugametos 10351
Dodecacera caulleryi: ANE, British Isles,
 Northumberland 11579
Dugesia tigrina 3910
Ephydatia fluviatilis 8175
Paramecium tetraurelia 9205, 9206
Zanclaea prolifera: INW, Japan 12809
 Spores: *Aphanomyces euteiches* 1286
- Assimilation,**
Ancylidae 12872
Griffithsia flosculosa 10850
Laminariales 12124
Macoma nasuta 5258
Mytilus edulis: PNW, White Sea 9270
Parastichopsis parvimensis: ANW, USA, Connecticut,
 Santa Catalina I. 12784
Penaeus japonicus 13245
Penicillium corylophilum 4754
Penicillium frequentans 5998
Sepia officinalis 11632
Spartina alterniflora 11352
Spartina anglica 4112
Terebratalia transversa 10846
 Metabolites: *Invertebrata* 175
 Zooplankton: *Chiridius armatus* 1748
- Atmospheric pressure,**
 12626
 ANE, Kattegat 4685
 ANE, North Sea 4685
 ANE, Skaggerak 4685
 ASW, Bermuda 12597
 Currents: ASW, Yucatan Shelf 1214
 Distributional charts: Northern hemisphere
 oceans 2410
 Upwelling: ASW, Yucatan Shelf 1214
- Atolls,**
 ISE, Phoenix Isl., Canton Isl. 3741
 ISEW, Ellice Isl. 8033
 ISW 12529
 ISW, Red Sea 12529
 Ground water 2409
- Atomic absorption spectroscopy,**
 2303, 3191, 4643, 10145, 12186, 12187, 13941
 ANE, Baltic 12178
Pisces 7634
 Trace constituents: *Crustacea* 1462
- ATP,**
Echinoidea 10410
Pisces 10629
- Audition,**
Bufo americanus 1693
- Carassius auratus* 7303
Gadus morhua 1566
Gnathonemus petersii 7306
Homo sapiens 10661
Hyla 13197
Physeter catodon 6383
Rana pipiens 7501
Tursiops truncatus 10661
- Auditory organs,**
Bufo americanus 1693
Caiman crocodilus 11853
Clupea harengus 11755
Coregonus clupeaformis 10577
Odontoceti 6383
Pisces 5046
- Autecology,**
 9904
 ANE, Germany, F.R., Weser estuary 8534
Agassizocrinus lobatus 7597
Alpheus splendidus: ISW, India 10483
Amphipoda: ASE, Adriatic, Banjole I. 5202
Conus ermineus: ASW, Trinidad 3924
Craspedacusta sowerbii: USA, Inland waters 9167
Daphnia magna: British Isles, England, Audley
 End 9680
Echinolampas crassa 8179
Ericymba buccata: USA, Indiana, Vigo County 9624
Esox americanus vermiculatus: USA, West Virginia,
 Twelvepole Creek 11721
Eurydice: ISW, India 9272
Nephrops norvegicus: ANE, British Isles, Scotland 9553
Nitocra spinipes: ASE, France, Camargue 11657
Nodularia spumigena 8096
Nuphar lutea: Europe, Danube R. 8321
Paratemia zietziana: Australia, Victoria, Corangamite
 L. 10983
Pipa: Brazil 9603
Polyplacophora: ASE, Balearic Is. 11601
Polyplacophora: ASE, Spain 11601
Posidonia australis: PSE, Australia, New South Wales,
 Botany Bay 10702
Pycnogonida: ASE, Adriatic, Banjole I. 5202
Salvelinus alpinus: Germany, F.R., Bavaria 8526
Sipuncula: ASE, Adriatic 11542
Tisbe: ASE, Venice Lagoon 11656
Zapada: USA, Utah, Wasatch Mountains, Mill
 Creek 9318
Zosteraceae: PSE, Australia, New South Wales, Botany
 Bay 10702
- Autolysis,**
Anabaena flos-aquae 7765
Rana temporaria 11843
- Automated recording,**
 12575
 America, Ontario L. 5794
- Automated techniques,**
 5633, 5758
- Availability,**
Pisces: USA, Virginia, York River 8520
Sebastes: ANW, Canada 12409

Avoidance behaviour,

- Acmaea* 9814
Anthopleura elegantissima 10773
Cyanoplax hartwegii: INE, USA, California, Pacific Grove 8683
Dugesia dorotocephala 13196
Lepomis cyanellus 5212
Lovenia elongata: ISW, Aqaba Gulf 11934
Monodonta turbinata 9622
Natica 6461
Paramecium tetraurelia 9202
Pisania maculosa 9622
Procambarus 5211
Pycnopodia helianthoides: INE, USA, California, Monterey Bay 12842
Salmo gairdneri 5212
Salvelinus alpinus 11940
Tritonia 7412

Bacterial diseases,

- ANW, Chesapeake Bay 12194
Aeromonas 7716, 9642
Aeromonas salmonicida 7465
Ampullaria 9644
Callinectes sapidus: ANW, USA, Virginia, Chincoteague Bay 13298
Carassius auratus: Brazil 11995
Carcinus maenas 12007
Catla catla 13297
Chrysophrys major 13287
Crassostrea gigas 5611
Cyprinus carpio: Brazil 11995
Euzetrema knoeffleri 6511
Homarus americanus 13716
Limulus polyphemus 6070
Mugil cephalus: INW, Japan, Okitsu Bay 13280
Myxosoma cerebralis: New Zealand 3017
Oncorhynchus kisutch: INE, Puget Sound 1766
Pisces 9642
Pseudomonas putida 8606
Salmo gairdneri 7716
Salmo gairdneri: ASE, Italy, Varano L. 4462
Salmonella 9644
Salmonidae 13277
Synechocystis aquatilis 8606
Uca pugilator 12007
Vibrio anguillarum 10862
Vibrio parahaemolyticus 10071
Biological control: *Bacillus sphaericus* 2030
Biological control: *Culex pipiens* 2030
Disease control: *Pisces* 411, 412
Disease control: *Vibrio anguillarum* 412
Immunology: *Aeromonas salmonicida* 1753
Therapy: *Pisces* 1759

Baits,

- Jacquiniotia edwardsii*: PSE, New Zealand 13808
Katsuwonus pelamis 13623
Scombridae 12324
Catch statistics: *Pisces* 2075
Collecting devices: *Fungi* 2455
Line fishing: *Pisces* 2075

Balance organs,

- Limanda limanda* 8327.
Palinurus vulgaris 11569
Pleuronectes platessa 8327

Barium,

- INE, USA, California 13494

Baseline studies,

- 10792
ASW, Panama 13455
ISEW, Guam 12274
ISEW, Marianas I., Tinian I. 12273
ISEW, Truk Is., Moen 13501
Foraminifera: ANW, Canada, Nova Scotia 12788
Ostracoda: ANW, Canada, Nova Scotia 12788
Pisces: USA, Tennessee, Nickajack Reservoir 10574
Trace constituents: British Isles, Wales 2002

Bathyal zone,

- Mollusca*: ASE, Taranto Gulf 8642
Pisces 12527
Pisces: ASW 11750

Bathymetric charts,

- 3809
A, Mid-Atlantic Ridge 3801, 11408
ANE, Irish Sea 8028
ANW, USA, Virginia, Delmarva Peninsula 9932
Argentina, Rio Tercero Reservoir 5932
ASE, France, Villeneuve Bay 11419
ISW, India 11215
PNE, Canada, North West Territory, Barrow Strait 10240
PS, Antarctica 5909

Bathythermographs,

- 8972, 12601
ASW, Brazil 9001
PN 12603
Beaches,
10221, 13965
ANE, British Isles 11294, 11295
ANE, British Isles, Swansea Bay 6732
ASE, France, Villeneuve Bay 11418, 11420
ASE, Ghana 10043
ASE, Italy 10231
ASW, Mexico Gulf 6429
ISE, Mexico 6429
ISW, India, Goa, Miramar 10957
Globicephala: PSE, Tasmania 6346
Mollusca: INW, Korea Rep. 5911
Mapping: INE, USA, California, Point Mugu 92
Oil spills 538
Pollution control 537
Pollution surveys: ASW, USA, Texas, Galveston I. 577

Behaviour,

- Anguilla* 13553
Betta splendens 5206
Blennius: MED, France, Banyuls-sur-Mer 11944
Blennius rouxi: MED, France, Banyuls-sur-Mer 11944
Carassius auratus 11926
Cyanea capillata 9593
Cyprinodontidae 8543
Dugesia tigrina 10770

- Eumetopias jubatus* 8540
Gasterosteus aculeatus 9602
Heteropneustes fossilis 13559
Homarus gammarus 10785
Invertebrata 7405
Limnothrissa: Tanzania 13325
Limulus 10497
Luciolates: Tanzania, Tanganyika L. 13325
Macoma balthica 9570
Nephrops norvegicus: ANE, British Isles, Scotland 9553
Orcinus orca: ISW, Hog Island (Crozet Group) 9600
Pagurus 7589
Palinurus vulgaris 10774
Paramecium aurelia 12834
Pipa carvalhoi 9603
Pipidae 9603
Pisces 11200
Pisces: Sweden 12254
Platanista gangetica 4035
Polycelis coronata: USA, Washington 10769
Rentius ticto 13559
Salmonidae 11732
Spisula solidissima 7413
Tautoga onitis 9568
Thais 13185
Tilapia mossambica 13559
Vision: *Barbus conchoni* 1688
- Benthic zone,**
4214
ANW, USA, South Carolina 5546
Diatomaceae: ANE, Germany, Fed.Rep., Weser estuary 4072
- Benthos,**
2307, 5355, 5533, 6753, 7547, 8073, 8485, 8640, 10940, 12093, 13372
ANE 3088
ANE, Baltic 9726, 9727, 11916
ANE, Baltic, Kiel Bight 5360
ANE, Baltic Sea, Schlei Fjord 3087
ANE, Bothnia Gulf 9899
ANE, British Isles, Cornwall 12403
ANE, British Isles, Scotland 7546, 9874, 12102
ANE, Finland 4212
ANE, Germany, F.R., Kiel Bay 9897
ANE, Germany, Fed.Rep., Kiel Bay 12092
ANE, Germany, Fed.Rep., Neuwerk/Scharhoerner Watt 5891
ANE, Kiel Bight 5467, 9723
ANE, Northern Baltic Sea, Finland 4210, 4211
ANE, Sweden 9874
ANW, Delaware Bay 4209
ANW, USA, Maryland 9921
ANW, USA, Massachusetts 3795, 4208, 7687, 7690, 7693, 7694
ANW, USA, North Carolina, Cape Lookout Bight 10177
ANW, USA, Raritan Bay 4206, 4221
ANW, USA, South Carolina 5546
ASE, Adriatic 4638, 12100
ASE, Biscay Bay 9732
ASE, Crete 7348
ASE, France, Concarneau Bay 12114
ASE, France, Roussillon 5367, 5369, 5370
ASE, Mediterranean 4217, 10942, 12097, 12098, 12101
ASE, Mediterranean, Africa 10748
ASE, Tunisia 6987, 12101
ASE, Tunisia, Bizerte 7488
ASW, Caribbean 7544, 7938
ASW, Mexico Gulf 7544, 7938
ASW, USA 9722
ASW, USA, Florida 6576
ASW, USA, Florida, Apalachee Bay 12241
ASW, USA, Georgia 8044
ASW, USA, Georgia, Doboy Sound 8047
ASW, USA, Georgia, Ossabaw Sound 8046, 8644
Brazil, Roraima 5927
British Isles, Tay R. 8643
British Isles, Wales, Inland waters 11436
Canada, Char L. 10969
Canada, Inland waters 12094
Canada, Manitoba, Rat R. 13367
Czechoslovakia, Inland waters 13386
France, Pavin L. 10968
Germany, D.R., Saale R. 10939
I, Pacific 10943
India, Kausalyaganga 13369
India, Kerala, Vembanad L. 9731
India, Killa 13369
INW 5357
INW, Japan, Ago Bay 7548
INW, Japan, Sendai Bay 10951
INW, Peter the Great Bay 10944
ISEW 4637, 5357
ISEW, Australia, Queensland, Brisbane R. 13363
ISW 10943
ISW, Malagasy Rep., Grand Recif de Tulear 9737
ISW, Persian Gulf 6983
Japan, Taru R. 6575
PNW, Barents Sea 5342, 5365, 12085
PNW, White Sea 12095
Poland, Jaziorak L. 3089
USA, Florida, Inland waters 6574
USA, Maryland, Potomac R. 5356
USA, Mississippi 4307
USA, Washington, Sammamish L. 13371
USA, West Virginia, Bluestone Dam 12087
USA, West Virginia, Grant County 12088
USSR, Caspian Sea 10961
World oceans 5156
Abra alba: ANE, Baltic 9783
Algae 7543
Algae: ANE, Finland, Helsinki 9900
Algae: ANE, Finland, Ruissalo I. 9729
Algae: ANE, Norway, Ofotfjord 9162
Algae: ANE, USSR, Estonia 9741
Algae: ANW, USA, Massachusetts 4207
Algae: ASE, Adriatic 11464
Algae: ASE, France 12099
Algae: ASE, Mediterranean 4216, 4240
Algae: ASE, Messina Strait, Linosa Isl. 4218
Algae: ASE, Tyrrhenian Sea 7530
Algae: ASW, Brazil, Atol das Rocas 9542
Algae: INE, Canada, Squamish 12119

- Ascidacea*: ASE, France, Banyuls-sur-mer 5368
Axiu serratus: ANW, Canada, Nova Scotia, Canso Strait 10723
Bacillariophyta: ANW, Baffin I. 8095
Bryophyta: British Isles, Scotland, Lakes 12739
Chironomidae: Italy, Martignano L. 12090
Chironomus lugubris: British Isles, Northern Ireland, Blaxter L. 5359
Cocconeis: ANW, Canada, Quebec, Baie de Chaleurs 6422
Copepoda: ANW, USA, South Carolina 5364
Copepoda: ASE, France, Banyuls-sur-mer 5366
Diatomaceae: ANW, Canada, Quebec, Baie de Chaleurs 6422
Echinodermata: PSW, Chile, Concepcion Bay 5129
Echinoidea: ASW, Belize 3091
Foraminifera: ASW, Venezuela 13366
Glyptotendipes paripes: British Isles, Northern Ireland, Blaxter L. 5359
Harpacticoida: ANW, USA, North Carolina 8252
Harpacticoida: ASE, Black Sea 4971
Harpacticoida: ASE, France, Catalan 5403
Hypophthalmichthys molitrix: Poland, Masurian Lakeland 6615
Insecta: USA, Colorado, Cement Creek 8670
Insecta: Zaire, Tshinganda/Luhoho R. 5358
Invertebrata 2876, 10936, 12086
Invertebrata: ANE, Baltic, Luebeck Bay 5363
Invertebrata: ANE, Kiel Bight 9725
Invertebrata: ASE, Taranto Gulf 12089
Invertebrata: Canada 3092
Invertebrata: Canada, Quebec, Gatineau Park 5361
Invertebrata: Germany, F.R., Kottenforst-Ville Nature Park 7545
Invertebrata: India, Burdwan 13368
Invertebrata: Poland, Mikolajskie L. 13364
Invertebrata: USA, Alaska 3092
Invertebrata: USA, Colorado, North St. Vrain Creek 8673
Invertebrata: USA, New York, Montezuma Natl. Wildl. Refuge 9720
Kinorhyncha: ASE, France, Banyuls-sur-mer 5366
Macoma: ASE, Spain, Vigo 13365
Mollusca: ANE, Norway 1641
Mollusca: ASE, Elba Isl. 4220
Mollusca: INW, Japan, Hachijo I., Kurose 2639
Nematoda 3879
Nematoda: ANE, Germany, F.R., Weser estuary 9721
Nematoda: ASE, France, Banyuls-sur-mer 5366
Nematoda: PSE, Kerguelen Is. 8641
Pectinaria gouldii: ANW, USA, New Jersey, Barnegat Bay 9670
Pisces: INE, USA, California 7727
Porifera: ASE, Mediterranean 4219
Pseudopleuronectes americanus: ANW, USA, New Jersey 12404
Rapana thomasiana: ASE, Black Sea 11886
Sabellaria alveolata: ANE, British Isles, Cornwall 7494
Scleractinia 7543
Serpulidae: ASE, Italy, Riva Trigoso Bay 4431
Tellina: ASE, Spain, Vigo 13365
Tetractila stalactifera: ISE, Panama, Paitilla 10941, 11001
Thalestridae: ASE, Mediterranean 4964
Ulva lactuca 8088
Biogeography: *Foraminifera*: PS, Antarctica 1613
Community composition: ANE, British Isles, Liverpool Bay 458
Community composition: ANE, Jan Mayen 1896
Community composition: ISE, USA, California, lagoons 457
Community composition: PSW, Antarctica, McMurdo Sound 1893
Community composition: PSW, South Shetland Is. 1892
Community composition: *Ascidia*: ANE, Norway, Bergenfjord 1642
Community composition: *Foraminifera*: PSW, South Shetland Is. 1891
Energy flow: *Pisces*: USA, Kentucky, Inland waters 456
Environmental factors 563
Fjords: PNW, Barents Sea 1894
Microorganisms 1895
Numerical analysis 563
Pesticides: *Invertebrata* 1995
Pollution effects 563
Pollution effects: ANW, USA, Massachusetts, West Falmouth 625
Pollution effects: Germany, Stechlinsee 635
Sampling (biological) 454
Beryllium, 12186
Bibliographic information, 4578, 5759, 5763, 7919, 7920, 12509, 12530
ASE, Africa, northwest 13945
ASE, Mauritania 13945
ASW, Cuba 4577
Canada, Quebec, McGill Univ. 10099
Iran, Caspian Sea 5128
New Zealand 13946
Algae 10285
Entocytheridae 1423
Penaeidae: Australia coasts 5565
Pisces: Philippines 13870
Uca 7197
Economic analysis 3612
Legislation 3612
Marine engineering 3612
Natural resources 3612
Plankton: ASE, Mauritania 1849
Research programmes: USA 3613
Sea law 3599
Bibliographies, 3647, 3690, 3781, 4262, 4264, 4266, 4352, 7610, 8729, 11006, 11278, 12538, 13944, 13947
ANE, Baltic 6621
ASE, Mediterranean 12098
Canada, Quebec, McGill Univ. 10099
ISW, Red Sea 12098
MED, Mediterranean 12510
PS, Antarctic Ocean 5154
Algae 7921
Algae: ANE, British Isles 5141
Algae: Hungary 2487

- Calyptocephalella caudiverbera*: Chile 6345
Cetacea 3376
Ctenophora: ANE 6017
Dugong dugong 13063
Euphausia superba: PSW 8907
Ictalurus punctatus 5584
Micropterus salmoides: USA, Minnesota 1486
Pinnipedia 7328
Pisces 11722
Polychaeta: ASW 10376
Rallus longirostris: America 10664
Scomber 12465
Zostera: ISW, Red Sea 4755
 3225
Estuaries 3164
Legislation 2233
Marine ecology 1089
Marine ecology: ASE, Azov Sea 1602
Marine ecology: ASE, Black Sea 1602
Marine ecology: ASE, Mediterranean 1601
Marine ecology: ISW, Red Sea 1602
Marine pollution 1089
Natural resources 1089
Oceanography 1089
Pollution control 712
Research institutions 2251
Resource availability: ASW, Bahama Is. 2250
- Bioaccumulation,**
 2376, 3144, 3232, 3300, 4367, 5442, 5462, 6691, 6726,
 7703, 8720, 11065, 11861, 12204, 13428
 ANE, Baltic Sea 6656
 ASE, Greece, Athens 4324
 ASW, Puerto Rico 4329
 Germany, F.R. 6669
 ISW, India 4320
 USA, Nevada, Carson R. 4330
Algae 7593, 11097
Algae: ANE, Menai Strait 7668
Algae: INW, USSR, Vostok Bay 11091
Anguilla anguilla 13670
Annelida 2584
Arca: ISW, India, Bombay 6663
Asteroidea: INW, Japan Sea 9907
Bacteria 8686
Belone belone 5501
Blennius pholis 4353, 4354, 6687
Brachydanio rerio 13447
Cancer anthonyi: INE, USA, California 13460
Carassius auratus 5464
Chlamydomonas reinhardtii 8740
Chlorella fusca 8714
Chlorophyta: Israel, Kinneret L. 12075
Choromyticus meridionalis 11098
Chrysaora quinquecirrha 4374
Chrysemys scripta: USA, Tennessee, Reelfoot L. 13446
Clupea harengus 5501
Coelopa vanduzeei: INE, USA, California 12223
Coregonus peled 12204
Crangon crangon 6690
Crassostrea: PSE, Australia, Melbourne 11009
Crassostrea virginica 3256, 4374, 7719, 13479
Crassostrea virginica: ANW, Chesapeake Bay 3222
Crassostrea virginica: ASW, USA, Texas, Galveston Bay 622
Crustacea 5448
Crustacea: ANE, British Isles, Northumberland 8732
Daphnia magna 12250
Daphnia pulex 8740
Elodea densa 4319
Engraulis japonica: INW, Japan, Osaka Bay 11077
Euphausia superba 13875
Gadus morhua 13454
Gambusia affinis 12250
Haliotis discus 6689
Haliotis rufescens 12243
Ictalurus punctatus 13472
Invertebrata 6688
Lagodon rhomboides: ANW, USA, North Carolina, Newport R. 9865
Laminaria japonica 6689
Leiostomus xanthurus: ANW, USA, North Carolina, Newport R. 9865
Lepomis cyanellus 3253, 7262
Lepomis macrochirus 12295
Leuciscus 12484
Littorella uniflora: Denmark, Lakes 4668
Lobelia dortmanna: Denmark, Lakes 4668
Makaira nigricans 11075
Meganyctiphanes norvegica 11090
Mercenaria mercenaria 7669
Meretrix meretrix 13450
Microstomus pacificus: INE, USA, California 13460
Mirex 7593
Modiolus demissus 12288
Mollusca 5477, 12213
Mollusca: PSE, New Zealand 7673
Mugil cephalus 12222
Myoxocephalus quadricornis: ANE, Baltic 5492
Mytilus: ASE, France 8730
Mytilus californianus 3350, 7721
Mytilus edulis 4353, 4354, 6687, 13445, 13467
Mytilus galloprovincialis 3273, 12248
Nereis japonica 13451
Nostoc zetterstedtii: Denmark, Lakes 4668
Odontogadus merlangus 12248
Orchestoidea corniculata: INE, USA, California 12223
Oryzias latipes 8371
Pagophilus groenlandicus 13487
Palaemon serratus 3226
Palaemonetes vulgaris 8727
Perca flavescens 9886
Pisces 2815, 7634
Pisces: ANE, British Isles, Northumberland 8732
Pisces: Netherlands, Rhine R. 11105
Pisces: Sudan, Wad Medani, Gezira 12251
Pisces: USA, Ohio, Lake Erie 7666
Platichthys flesus 5501
Pleuronectes platessa 6687, 7314, 9883
Pseudopleuronectes americanus 8375
Rana sylvatica 8761
Salmo gairdneri 5600, 7820, 8740, 11029
Salmo gairdneri: Germany, F.R., Rhine R. 8741

Salmonidae: America, Michigan L. 13465
Saxidomus giganteus 3350
Scenedesmus acutus 13480
Scenedesmus quadricauda 10330
Scomber japonicus 12231
Sphaerotilus 8686
Spicara smaris 12248
Spisula solidissima 11063
Stigeoclonium tenue 11049
Teleostei: Germany, F.R., Inland waters 8756
Ulva pertusa 6689, 13477
Undaria pinnatifida 6689
 Fuels: *Crassostrea virginica* 918
 Fuels: *Penaeus setiferus* 918
 Fuels: *Rangia cuneata* 918
 Heavy metals: ANE, British Isles, Lundy Is. 586
 Marine pollution 610
 Mercury: INE, Puget Sound, Bellingham Bay 651
 Oil pollution: *Rangia cuneata* 614
 Seasonal variations: *Crassostrea gigas*: ISEW, Hong Kong, Deep Bay 2205
 Seasonal variations: *Salmonella anatum*: ISEW, Hong Kong, Deep Bay 2205
 Zinc 1993

BioaccumulationSediments,
Mollusca 3216

Bioacoustics,
Cetacea 11838
Hyla meridionalis 11941
Invertebrata 12523
Notropis analostanus 5205
Pisces 12392, 12523
 Guiding devices: *Pinnipedia*: PSW 3389

Bioassays,
 3215, 4609, 5425, 5426, 5427, 5428, 5429, 5430, 5431, 5433, 5434, 5435, 5437, 5438, 6639, 8706, 11066
 USSR, Lithuania, Inland Waters 12191
Algae 3157
Ambassis gymnocephalus 9888
Arthropoda 11911
Asterionella 4467
Biomphalaria glabrata 5434
Bulinus truncatus 5434
Cancer magister 12237
Carassius auratus 7732, 9885
Channa punctatus 13475
Chironomus tentans 12229
Chironomus tentans 12238
Copepoda 6432
Crassostrea virginica 5433
Cyclops bicuspidatus thomasi: America, Michigan L. 13457
Cypretta kawatai 12238
Daphnia 13459
Daphnia pulex 12217
Esomus danrica 13475
Fundulus heteroclitus 5437
Heteropneustes fossilis 13475
Homarus americanus 13734
Ictalurus punctatus 13442
Keratella cochlearis: America, Michigan L. 13457

Leiostomus xanthurus 5433
Lepomis macrochirus 12229
Leuciscus idus 12188
Nassarius obsoletus 5434
Oncorhynchus gorboscha 12237
Oncorhynchus nerka 13468
Oncorhynchus tshawytscha 4375
Panchax panchax 11089
Pandalus borealis 12237
Penaeus duorarum 5433
Pimephales promelas 9885, 11817, 11818
Pisces 5436
Puntius bimaculatus 9888
Rasbora daniconius 13475
Rhinichthys atratulus 4371
Salmo gairdneri 13471
Salmonidae 13469
Selenastrum capricornutum 10289
Tellina tenuis 2454
Tetrahymena pyriformis 11269
Vertebrata 4285
 1983

Biochemical analysis,
 2524
Isoparorchis hypselobagri 6077
Litophyton viridis 1376

Biochemical cycle,
 13963, 13964
 ANE, Baltic 7605
 USSR, Baikal L. 7572
Algae: ANE 12135
Algae: PNW, Barents Sea 12135
 Microorganisms: ISE, Hawaii 477

Biochemistry,
 3828, 4346, 4735, 5923, 6918, 7988, 9091, 11412, 11511, 12480, 12521, 12771
Acetabularia 12764
Acetabularia mediterranea 8115, 9148, 12777
Achlya ambisexualis 9107
Acipenseridae 12375
Acropora cervicornis 12826
Algae 2540, 4729, 8131, 11195, 12722
Algae: ANE, Norway, Ofotfjord 9162
Amphibia 6361
Amphipnous cuchia 6275
Anabaena 5962
Anabaena cylindrica 5998, 8121, 11455
Anacystis nidulans 4790
Anemonia sulcata 6767, 6768
Anguilla anguilla 6504
Anilocra physodes 6512
Antimora rostrata 6293, 6296
Artemia salina 8172
Asterias 12829
Asterias rubens 12828
Aurelia aurita: USA, Texas, Corpus Christi 6541
Axinella polypoides 10403
Azolla 6618
Bacillariophyceae 9945
Bacillus subtilis 3842
Bacteria: A, Atlantic 12266

- Bacteria*: ASE, Black Sea 2484
Bacteria: USSR, Mari Lakes 2468
Balanus balanoides 11694
Bankia australis 6104
Brachycera 8319
Brachydanio rerio 7292
Callinectes sapidus 5676
Cancer pagurus 8282
Capnella imbricata 9238
Carassius auratus 6309, 9443, 12236
Carassius carassius 2825
Carcharhinus milberti: ISE, Hawaii, Kealakakua Bay 6294
Carcinus maenas 6170
Cephalopoda 2640
Charonia lampas 9262
Charophyta 2536
Chionoecetes opilio 6883
Chlamydomonas reinhardi 10331
Chlorella 6059
Chlorella fusca 4787
Chondrococcus hornemanni 4786
Chthamalus stellatus 11677
Cirripecta 8068
Clarias batrachus 4017
Cnidaria 4806
Codium bursa: ASE, Mediterranean 6009
Coleoptera 3979
Copepoda 6159
Corbicula sandai 8223
Coryphaena hippurus 6305
Coryphaenoides acrolepis 6296
Crustacea 10499
Cyprinus carpio 5253, 6243
Cystoclonium purpureum 10352
Dendryphiella salina 2486
Desmarestia ligulata 10335
Desulfovibrio: ANE, Kiel Fjord 2480
Dicathais orbita 8236
Dinoflagellata 4795
Dugesia polychroa: ANW, Canada, Toronto 5248
Echinocardium cordatum 9216
Echinodermata 5945
Electrophorus electricus 6277, 11804
Endodinium 4776
Esox lucius 13039
Euglena gracilis 6072
Gadus morhua 6340
Gambusia affinis 4013
Geodia cydonium 10409
Gonyaulax polyedra 6007
Gonyaulax tamarensis 10412
Halobacterium halobium 9111
Holothuriidae: ASW, Cuba 6061
Invertebrata 10408
Labeo rohita 13055
Laminaria ochroleuca 12776
Lamprometra klunzingeri: ISW, Aqaba Gulf 6063
Lanice conchilega 4857, 8140
Laurencia caespitosa 12778
Limulus 2919
Lithodomus lithophaga 4929
Lobophytum pauciflorum 8191
Loligo 6114, 6115
Lymnaea stagnalis 4886
Mancinella keineri 8236
Meinertia oestroides 6512
Mercenaria mercenaria 8231
Micrasterias denticulata 11489
Micropterus dolomieu 6306
Micropterus salmoides 10621
Misgurnus fossilis 9397, 9447
Mollusca 10461
Mugil cephalus 6307
Mytilus edulis 3942, 6108, 6119, 9269
Ochromonas danica 6006
Oncorhynchus gorboscha 9425
Ophiocephalus punctatus 8560
Oscarella lobularis 3917
Pachygrapsus marmoratus 6169
Pagophilus groenlandicus 6370
Panulirus homarus 3977
Paracentrotus lividus 9201
Paramecium 2592
Paramecium aurelia 9231
Paratelphusa hydrodromus 8291
Parechinus angulosus 4869, 4870
Penaeus 10505
Physeter catodon 13027
Pila globosa 12875
Pisces 4019, 6295, 6324, 8409, 10605
Pleurodeles waltlii 7343
Pleuronectidae 11812
Poecilia reticulata 6309
Polychaeta 8143
Porphyra yezoensis 8117
Poycelis tenuis 13250
Protosiphon botryoides 4793, 4794
Pseudopleuronectes americanus 13041
Ptychodera flava 6073
Rana catesbeiana 7342, 9497
Rana pipiens 7337, 8474, 10688
Rana temporaria 9387
Renilla 9219
Rhithropanopeus harrisii 4992, 4993
Rhodophyceae 10327
Salmo 5079
Salmo gairdneri 2833, 6303
Salmo salar 6327
Scenedesmus 9152
Scenedesmus obliquus 13224
Scylla serrata 11704
Shigella 9109
Sinularia dissecta 9223
Spartina alterniflora 10334
Sphaerodema molestum 5007
Sphaerozoum neapolitanum 4866
Spirulina 6000
Spirulina platensis 9149
Stichopus badionotus 12833
Stoichactis helianthus 5538
Themiste dyscritum 6075

Thunnus thynnus 10622, 13027
Torpedo 11804
Torpidinidae, 13004
Tresus capax 12863
Tridacna maxima 2649
Urodela 8430
Wallago attu: India, Inland waters 6322
Xenopus laevis 2864, 4055, 7337
Xenopus tropicalis 7331
 Chemical composition: *Rhodomela subfusa* 145
 Eggs: *Balanus* 235
 Genetics: *Sphaeroma* 1430, 1431
 Marine ecology 1270
 Nervous systems: *Salmo gairdneri* 1572
 Photosynthesis: *Galaxaura falcata* 144
 Pigments: *Chaenogobius isaza* 289
 Pigments: *Cottus pollus* 289
 Pigments: *Hypomesus japonicus* 290
 Pigments: *Salangichthys microdon* 290
 Skin: *Channa striatus* 2810
 Speciation: *Bulinus* 203
Biocoenoses,
 12305
 ANE, France, Chausey Archipelago 7357
 ANE, Netherlands, Delta Area 6391
 ASW, Mexico Gulf 6429
 Australia, Western Australia, Kalgoorlie 7347
 Caroline Isl., Namoluk Atoll 8481
 ISE, Mexico 6429
 ISEW, Caroline Isl., Namoluk Atoll 8481
Diatomae: ISW, Israel, Bardawil Lagoon 7085
Hydroides elegans: ANE, Netherlands, Delta Area 6391
Laminaria saccharina: PNW, White Sea, Chupa Bay 3099
Mollusca: ASE, Sicily, Acitrezza 11600
Pisces: ISE 3136
Thenea muricata 6853
Turbellaria: ISE, Galapagos 3872
Biocoenosis,
Bathynella: America, Amazon R. 6553
 Phytoplankton: ASW, Mexico Gulf 1884
Biodegradation,
 3237, 4308, 4310, 5923, 6624, 6684, 7635, 7660, 7678,
 8692, 8784, 8785, 9843, 9844, 9895, 12216, 13354
 ASE, Black Sea 6683
 USA, Maryland, Patuxent R. 4325
 World waters 7608
Algae 4303, 7599, 9796
Amphipoda: INE, Aleutian Trench 3832
Bacteria 4736, 4739, 5493, 8728, 8757, 9838, 11040, 11440
Bacteria: ANE, Baltic 8715
Bacteria: ANW, Chesapeake Bay 8717
Bacteria: ANW, USA, North Carolina 11046
Bacteria: ASE, Black Sea 2484
Chironomus plumosus 12199
Cylindrospermum 5471
Flavobacterium: ANE, Baltic 13415
Fungi 4736
Fungi: ASE, Adriatic 5951
Fungi: Yugoslavia, Skadar L. 5951
Mucor alternans 9848

Penicillium 13426
Rhizoctonia praticola 8757
Saccharomycopsis lipolytica 12174
Sphaerium corneum 12199
 3225
 Oil pollution: ANW, USA, Maryland, Chesapeake Bay 574
Bioelectricity,
Eigenmannia virescens 13193
Electrophorus electricus 2837, 6277
Gnathonemus petersii 9591
Ictalurus nebulosus 5089
Pisces 12392
Biogeography,
 5030, 12050
 ANE, France, Chausey Archipelago 7357
 ASE, Mediterranean 12097, 12101
 INW, Kuril Is. 5386
 ISEW, Australia, Northern Territory 5157
 ISW, Australia 5157
 ISW, Red Sea 12097
 Lesser Antilles, St. Vincent 11865
 New Zealand 6984, 7345
 Pakistan, Kohat 8510
 PSE, Balleny Isl. 3103
 PSE, New Zealand 7345
 World oceans 5156, 8486
Acanthomolgus: ASW, West Indies 6131
Acetabularia haemmerlingi 4773
Algae 7543
Algae: ANE, British Isles 5141
Algae: ANW, USA, North Carolina, Onslow Bay 4759
Analetris eximia: Canada, Saskatchewan R. 9326
Ascidacea: I, Pacific 9451
Bacillariophyta: Canada, Labrador 4758
Berthella tupala: ASW, South America, Canal Zone 4911
Beryciformes: ASW, Brazil 8847
Brachiopoda: Australia 8154
Chaetognatha 9524
Crustacea 4080
Cypraeidae: World zoogeographic regions 10712
Daphnia ambigua: Belgium 4060
Echinodermata: ISW, Qatar 12512
Echinoidea: ISE, Chile 6019
Fistularia 11869
Fungi: ANE, Germany, F.R., Helgoland 7380
Fungi: ANE, Germany, F.R., Weser estuary 7380
Fungi: ANE, Norway, Norwegian Trench 7381
Fungi: ASE 7381
Fungi: ASE, Canary Is. 7381
Fungi: PNW, Barents Sea 7381
Gammaridae: USSR Coasts 4943
Gastropoda: World Waters 11875
Glacidorbis 3925
Icriodontidae: World Zoogeographic Regions 8511
Ilyarachnida 5152
Insecta: New Zealand 7225
Invertebrata: I, Pacific 5163, 5163
Invertebrata: USSR, Baikal L. 6395
Mollusca: Guadeloupe 11876

Mollusca: Mexico 13954
Mollusca: Thailand 12845
Mytilus edulis: ANW 10901
Notonemouridae: Australia 3981
Odonata: British Isles 5549
Pelecypoda: ISW, India, Visakhapatnam 4913
Pisces 7503, 10563
Pisces: ASW, USA, Louisiana 8646
Pisces: INW, Kuril Is. 10950
Pisces: Pakistan 6401
Planorbula jenkinsii 4909
Pleurocerinae: World inland waters 5151
Pogonophora: ANW, USA, North Carolina 4064
Polygnathidae: World Zoogeographic Regions 8511
Pontellina plumata: AS 5136
Prosobranchia: World currents 5173
Rotifera: Nepal 3861
Salpidae 4059
Scleractinia 7543
Sipuncula: ANW, USA, North Carolina 4064
Spiochaetopterus costarum: ASE, Mediterranean 5203
Teleostei: ISW, Egypt, Arab Rep., Bardawil Lagoon 11735

Biographies,
 6097, 8908, 11279
 USSR 12511

Biological collections,
ASE, Portugal, Arabida 5378
Algae: Canada, Labrador 8098
Ascidiaeae: INW, Japan, Amami Is. 10361
Asteroidea: ASW, Mexico Gulf 3859
Bacillariophyta: ANW, Baffin I. 8095
Bacteriastrum: ISEW, Hong Kong 7082
Bryozoa: ISE, Easter I. 4819
Bryozoa: PSW, Chile, Magellanic Region 4820
Bulimulidae 11591
Chondracanthidae: PSE, New Zealand 7482
Coelenterata 3860
Cypraea: ISE, Phoenix Is., Canton Is. 2594
Decapoda: PSW, Chile, Magellanic Region 5147, 5148
Diatomae 6945
Dinoflagellata: PSW, Chile, Concepcion Bay 5146
Echinodermata: PSW, Marion I. 5142
Ephemerellidae: USSR, Issyk-kul Depression 9328
Foraminifera: ISE 4200
Harpacticoida: ANE, Isle of Man 4951
Heptageniidae: USSR, Issyk-kul Depression 9328
Invertebrata: ANE, Baltic, Luebeck Bay 5363
Invertebrata: ASE, Taranto Gulf 12089
Invertebrata: France, Corbieres 5929
Majidae: ISEW, Philippines 7200
Mollusca 11593
Oligochaeta: USSR, Caspian Sea 10364
Ophiothamnus dupla: ISE, Peru-Chile Trench 12808
Ostracoda 12880
Ostracoda: PS, Antarctica 3962
Pisces: ASW, USA, Florida Middle Ground Reef 10566
Pisces: ASW, USA, Louisiana 8646
Pisces: India, Ghagra R. 2746
Pisces: ISEW, South China Sea 11737
Pisces: ISW, Andaman Sea 11737

Pisces: ISW, Mascarene Is., Reunion I. 6185
Pisces: Pakistan, Kohat 8510
Pisces: PS, Antarctic Ocean 11772
Siganus: ISEW, Java 7267
Trematoda: AN, Greenland 7147
Turbellaria 8168
Urochordata: ISEW, Hong Kong 9450

Biological control,
 4407

Aedes aegypti 6526
Anopheles maculipennis 6773
Anophelina: Maldiv Isl. 4420
Aplocheilus latipes 6773
Biomphalaria glabrata 5410
Ctenopharyngodon idella: USA, Indiana 5544
Culicidae 8803
Diplostomum spathaceum 6523
Echinochloa colonum 13517
Eichhornia crassipes 7227
Gambusia affinis: Hungary, Heriz L. 9336
Gymnodinium breve 6004
Lymnaea emarginata 5410
Marisa cornuarietis: World subtropical regions 10426
Neochetina bruchi: Argentina 13514
Nosema strigeoidea 6523
Ophicephalus striatus: Philippines, Inland waters 7483
Pila globosa 8800
Pisces: Maldiv Isl. 4420
Salvinia 8800
Siphona geniculata: British Isles, England, Reading 10859
Tilapia 13517
 Fungal diseases: *Diptera* 784
 Microorganisms: *Bacillus* 782
 Parasitic diseases: *Diptera* 785
 Parasitic diseases: *Protozoa* 785
 Viruses: *Aedes* 783
 Viruses: *Culex* 783

Biological data,

Gastropoda: Canada, Gentilly, St. Lawrence R. 7748
Triturus cristatus: British Isles 8418

Biological institutions,

Italy 13608
Mammalia: USA 6940
Pisces 2268

Biological oxygen demand,

3696, 8708, 11136
 Germany, D.R., Saale R. 10168
 ISW 2345
 ISW, Arabian Sea 2345
 ISW, India, Bombay 11043
Bacteria: USSR, Ural lakes 10932

Biological rhythms,

Biosphere 6935
Acetabularia 12764
Anguilla: ANE, Sweden 13778
Anguilla rostrata 11905
Brachycentrus occidentalis 7438
Clemmys guttata: ANW, USA, Pennsylvania 8421
Ephydatia fluviatilis 9564

- Euglena gracilis* 10812
Euphausiacea: I, Pacific 5261
Excrolana chiltoni 10772
Gasterosteus aculeatus 7415
Mopalia muscosa 8525
Pleuronectes platessa 9551
Rana catesbeiana 8457
Stomatopoda 12901
 Tides: *Crangon crangon* 353
Biological surveys,
Mollusca: Norway 6411
Biology,
 World tropical regions 11432
Algae: ASE, Black Sea 7542
Analetris eximia: Canada, Saskatchewan R. 9326
Anguilla 2741
Anguilla anguilla: Europe 6189
Arctiocephalus gazella: PS 13846
Balanus balanoides 6127
Bryozoa 12781
Calyptocephalella caudiverbera: Chile 6345
Centropomus poeyi 8324
Cetacea 4034, 4035, 4036, 13064
Cetacea: Pakistan 4037
Cetorhinus maximus 8498
Chelonia: ISW 6793
Chlamydomonas 7079
Chrysichthys walkeri: Nigeria, Lekki Lagoon 10540
Cirolana harfordi 13335
Coelenterata 6016
Crassostrea angulata: ASE, Portugal 12841
Cypraea 11589
Dytiscus marginalis 10527
Echineulima: World tropical regions 8196
Engraulis encrasicolus: ASE, Spain, Biscay Bay 13324
Enhydra lutris: IN 13073
Esox americanus vermiculatus: USA, West Virginia, Twelvepole Creek 11721
Euphausia superba: PS, Antarctic Ocean 3369
Galaxiidae: Tasmania 12949
Grillotia erinaceus: ANE, North Sea 13291
Hydra 6015
Invertebrata: Philippines 12780
Labeo rohita 1485
Melibe leonina: INE, USA, California, Monterey Bay 12842
Monachus monachus 13072
Mononchus aquaticus 12786
Nothobranchius guentheri: Africa, East 8545
Orthogalumna terebrantis: Argentina 11709
Pagophilus groenlandicus 13069
Paralichthys olivaceus 10538
Pelamis platurus: ISE, Costa Rica 8420
Penaeidae 13718
Phoca vitulina: ANW 13074
Phoca vitulina: IN 13079
Phocoena dioptrica: ASW 13067
Phocoenoides: INW 13312
Pinnipedia 13066
Pisces 12935
Pisces: Philippines 12936
Platanista gangetica 4035
Platanistidae 4036
Platanistidae: Pakistan 4037
Pollachius virens: ANE 12411
Pusa caspica: USSR, Caspian Sea 9452
Pyura chilensis 5100
Salvelinus alpinus: Austria, Achensee L. 10828
Sparus auratus: ASE, Spain, Alfaques Bay 12939
Sparus auratus: ASE, Spain, Cadiz 12940
Thorogobius ephippiatus: ANE, Eire, Co. Galway 7237
Trimusculus reticulatus 8582
 2249
 Introduced species: *Tilapia*: Mexico 913
 Light effects: *Palaemon serratus* 1417
 Population dynamics: *Carangidae*: ASW, Jamaica 256
 Population dynamics: *Decapoda*: ASW, Jamaica 205
 Population dynamics: *Mullidae*: ASW, Jamaica 258
 Population dynamics: *Pomadasyidae*: ASW, Jamaica 257
 Population dynamics: *Serranidae*: ASW, Jamaica 255
Bioluminescence,
 IS, Pacific 2332, 3106
 ISE 3113
 ISE, Peru 3107
Argyropelecus hemigymnus 8379
Bacteria: ISEW, Australia, Queensland Great Barrier Reef 3834
Coelenterata: ISEW, Australia, Queensland Great Barrier Reef 3834
Cypridina 5088
Equula equula 6364
Gonyaulax polyedra 6007
Loligo 7414
Ommastrephes pteropus 11639
Opisthoproctus 9781
Photobacterium leiognathi 6364
Porichthys 9420
Porichthys notatus 5088
Renilla 9219
Renilla koellikeri 4858
Rhynchohyalus natalensis 9781
Veretillum cynomorium 6057
Wintaria telescopica 9781
 Biochemistry 1274
Biomass,
 4214, 9834, 10934
 ANW, Gulf Stream 13378
 ANW, Labrador Current 4201
 ASW, Brazil 4186
 ASW, Caribbean 4182
 Germany, D.R., Saale R. 10939, 10998
 India, Raipur, Doodhadhari L. 6587
 New Zealand, Rotorua L. 9090
 PSE, New Zealand 5336
 PSE, Southern Ocean 6588
 USA, California, Mohave Desert, Tecopa Bore R. 12120
Algae 2982, 6478
Algae: America, Erie L. 9707
Algae: ANE, Finland Gulf 4204
Algae: British Isles, England 9730
Algae: Poland, Masurian Lakeland 6615

- Algae*: Poland, Mikolajskie L. 6609
Algae: Sweden 4204
Ancylidae 12872
Angiospermae: ANW, USA, Virginia 8092
Angiospermae: ASW, Cuban Shelf 7575
Ascophyllum nodosum: ASE, Spain, Vigo Rio 13322
Bacteria 10841
Bacteria: Poland, Sola R. 6394
Bacteria: World tropical regions 10974
Calanus finmarchicus: ANE, Norway 9703
Chlorophyta: British Isles, England, Somerset 9115
Ciliata 4233
Colpidium campylum 8557
Copepoda 4185
Copepoda: ASE, Lyon Gulf 5404
Copepoda: ISW, India 4193
Diatomae 9801
Eichhornia crassipes 6582
Euchaeta norvegica: ANE, Norway, Korsfjorden 9301
Fucaceae: ASE, Spain, Pontevedra Bay 13466
Insecta: Zaire, Tshinganda/Luhoho R. 5358
Invertebrata: ASE, Taranto Gulf 12089
Invertebrata: India, Burdwan 13368
Invertebrata: USA, Colorado, North St.Vrain Crek 8673
Menidia audens: USA, Texas, Texoma L. 10592
Myriophyllum: USA, California, L.Tahoe 6606
Nematoda: ANE, Germany, F.R., Weser estuary 9721
Pennaeidae 12032
Phragmites communis: Sweden, Trosaan R. 9896
Pisces: ANE, Finland 10057
Pisces: ASE, Guinea Gulf 12397
Ranunculus penicillatus 8656
Sebastes: ANW, Canada 12409
Spartina alterniflora: ANW, USA, Connecticut, Long Island Sound 12117
Spartina alterniflora: ASW, USA, Texas 4225
Teleostei: INE, USA, California 10539
Tridacnidae: ISEW, Palau Is., Helen Reef 12448
Zostera marina: ANE, Denmark 6589
Zostera marina: ANW, USA, North Carolina 12146
Horizontal distribution: *Pleuroncodes planipes*: ISE, Mexico, Baja California 968
Plankton: *Engraulis japonica*: INW, Japan 1624
Seasonal variations: *Eudiaptomus graciloides*: Denmark, Esrom Lake 1911
Seasonal variations: *Prosobranchiata*: Chad, Chad L. 418

Biometrics,
Acetabularia mediterranea: ASE, Naples Gulf 12749
Ancylus fluviatilis 5186
Aspius vorax: ISW, Iraq, Basrah 13314
Astacus astacus: Finland, Tullusjaervi L. 6163
Boophthora erythrocephala 12930
Carassius auratus: Romania, Nitra R. 11723
Chaenocephalus aceratus: PS, Antarctic Ocean 10606
Gammarus duebeni 2661
Gastropoda 9805
Globorotalia crassula 8208
Gobiomorphus: New Zealand 4007
Lampetra 9349
Leiognathus splendens 12958

Macoma nasuta 13235
Merluccius merluccius: ASE, Tunisia 7487
Pennaeidae: ISE, Mexico 10820
Pisces 12716
Raja clavata: ASE, Adriatic 10878
Simulium cheesmanae: Tahiti 10531
Stolephorus purpureus: ISE, Hawaii, Oahu, Kaneohe Bay 7497
Biology: *Schilbe*: Chad, Chad L., Chari R., Logone R. 1484
Size distribution: *Loxechinus albus*: PSW, Chile, Valparaiso Bay 1815

Biophysics,
10267, 12725
Pisces 12722
Xiphophorus helleri 10790
Marine ecology 1270

Biosynthesis,
10328, 12521
Algae 2534
Anguilla anguilla 12982
Asterina pectinifera 7162
Axinella damicornis 7173
Axinella polypoides 7171
Bacteria 11454
Bufo arenarum 9498
Caenorhabditis briggsae 9235
Carassius auratus 11926
Ceramium 12214
Chaetoceros simplex 4785
Chlorella pyrenoidosa 10328
Copepoda 13251
Crustacea 7221, 11690
Cyprinus carpio 10642
Euglena gracilis 6011, 11519
Euspongia officinalis 7173
Geodia mulleri 7173
Halichondria 7173
Idotea resicata 11688
Laiaster leachii 6062
Lampetra planeri 10625
Orconectes limosus 10508
Polycelis tenuis 12816
Rana esculenta 10685
Stentor 4865
Synechococcus elongatus 10967
Tetrahymena pyriformis 11584
Triturus viridescens 11851
Uca pugilator 9311
Virus cyanophage AS-1M 8608
Xenopus laevis 9479
Biodegradation: *Bacteria* 483
Nucleic acids: *Palaemon adspersus* 638

Biota,
British Isles, England, Norfolk Broads 4226
Dominican Rep. 13119
Guatemala 13119
ISW, Aqaba Gulf 11368
Invertebrata 12142

Biot**Biotope,**

- Brazil, Amazon R., Varzea L. 12106
 Algae: ANE, Germany, Fed.Rep., Weser estuary 5149
 Invertebrata: America, Amazon R. 6595
 Invertebrata: France, Opoul 10358
 Petroglossum nicaeense: ASE, Mediterranean 7350
 Pisces: ASE 11748
 Pisces: ISEW 12104
 Posidonia oceanica: ASE, Italy, Livorno 5372
 Pseudolithophyllum expansum: ASE, Italy, Livorno 5372

Biotores,

- Algae: ASE, Greece 11465
 Phrynos geoffroanus: Argentina, Santa Fe, R.Parana 6350

Blood,

- 13421
 Amia calva: USA, Inland waters 11797
 Amphipnous cuchia 5077
 Anguilla anguilla 10838
 Anura 13111
 Callinectes sapidus 7222
 Carcinus maenas 4990
 Clarias batrachus 8396
 Coregonus pollan 10584
 Crustacea 8283
 Crustacea: ASW, Curacao 8302
 Cryptochiton stelleri 8244
 Cyprinidae 10655
 Cyprinus carpio 10543, 11805
 Dissostichus mawsoni: PSE, McMurdo Sound 11820
 Elasmobranchii: I, Pacific 11825
 Entosphenus japonicus 11809
 Golfingia gouldii 7172
 Homarus 8587
 Ictalurus punctatus 10640
 Invertebrata 10413
 Lampetra fluviatilis 8392, 13040
 Lepisosteus oculatus: USA, Inland waters 11797
 Ligumia subrostrata 10457
 Limulus polyphemus 12912
 Morone saxatilis 9417
 Nuttallina californica: INE, USA, California, Point Pinos 8241
 Pisces 8738, 13054
 Pisces: ANE, Skaggerak Sea 10637
 Pisces: I, Pacific 6451
 Platicthys flesus 13019
 Porcellio laevis 6172
 Pseudopleuronectes americanus 11810, 13041
 Raja erinacea 11801
 Rana esculenta 13107
 Rana temporaria 6384
 Rastrelliger kanagurta 13031
 Reptilia: USA, Texas, Presidio County 8469
 Rhigophila dearborni: PSE, McMurdo Sound 11820
 Salmo 9409
 Salmo gairdneri 3287, 13018, 13048
 Salmo irideus 5084
 Sardinella longiceps 13031
 Squalus acanthias 11801

Teleostei 13296

Teleostei: I, Pacific 11825

Trematomus borchgrevinski: PS, Antarctic Ocean 7313

Trematomus lonnbergi: PSE, McMurdo Sound 11820

Zoarces viviparus 6276

Electrophoresis: Tilapia 292

Feeding behaviour: Haementeria lutzi: Brazil 1379

Blood cells,

- Ambystoma 10672
 Amphibia 13097
 Amphipnous cuchia 13033
 Anguilla anguilla 13034
 Arenicola marina 10362
 Asterias forbesi 10401
 Carassius auratus 7243, 10648
 Catostomus commersoni: Canada, Ontario, Louisa L. 6517
 Chanos chanos 11807
 Chelydra serpentina 11836, 11837
 Crassostrea virginica: ANW, USA, Virginia 8216
 Esox lucius 7293
 Heteropneustes fossilis 9429
 Lampetra fluviatilis 9445
 Myxine glutinosa 9348
 Oncorhynchus kisutch 7248
 Pisces 11826
 Platicthys flesus 5063
 Pleuronectes platessa 5063, 7232, 7319
 Priapulus caudatus 10362
 Protopterus annectens 7299
 Rana catesbeiana 7342
 Salmo gairdneri 9442, 13045
 Vertebrata 10402
 Xenopus laevis 9494
 Pigments: Katsuwonus pelamis 291

Blood circulation,

- Amphibia 9486
 Anguilla japonica 8401
 Bufo marinus 8426
 Chelonia 11835
 Crustacea 8297
 Heteropneustes fossilis 9345
 Monodon monoceros 8454
 Oncorhynchus 8343
 Pisces 10607, 10658
 Pontoporia blainvillei 10667
 Pseudemys 10697
 Pseudopleuronectes americanus 10608
 Salmo gairdneri 10553, 10635
 Salmonidea 10575
 Squalus acanthias 10610
 Testudo 10697
 Blood: Myxine glutinosa 557
 Environmental effects: Paralithodes camtschatica 229
 Heart: Thalia democratica 314

Blood vessels,

Anguilla 8380

Boats,

USA, Iowa, Iowa R. 10061

Thalassia testudinum: ASW, USA, Florida 12280

Books,

- 3662, 3704, 3705, 3706, 3727, 3728, 3796, 3797, 3798,
- 3799, 3812, 3823, 4311, 4344, 4346, 4376, 4407, 4408,
- 5579, 6435, 10109, 10110, 12520
- British Isles, Berkshire, Freeman's Marsh 5771
- World ocean 3628, 5729
- Arthropoda 5772
- Cetacea 4034, 4035, 4036
- Chlamydomonas 7079
- Cypraea 11589
- Invertebrata 111, 3858, 4466
- Pisces 8919
- Pisces: Australia, Queensland 3627
- Pisces: ISEW, Australia, Queensland 3627
- Pisces: New Zealand 6399
- Porphyra: INW, Japan 12338
- Oil removal 659
- Oil spills 508
- Parasite control: Pisces 395

Boring organisms,

- ASE, Italy, Civitavecchia Harbour 12303
- Bivalvia: ISW, India 4429
- Chaetophorales: Poland 11463
- Glycymeris 11983
- Martesia striata 9962
- Horizontal distribution: ISEW, Hong Kong 2043
- Research programmes: Japan 2044

Boron,

- 5851, 8695
- ISW, India, Krishna R.delt 9074
- Paramecium caudatum 2593
- Bioaccumulation: *Oncorhynchus kisutch* 607
- Bioaccumulation: *Oncorhynchus nerka* 607
- Photosynthesis 608
- Phytoplankton 608
- Pollution monitoring: INE, Canada, British Columbia 695
- Toxicity 608
- Toxicity: *Oncorhynchus kisutch* 606, 607
- Toxicity: *Oncorhynchus nerka* 606, 607
- Water analysis (chemical) Colorimetric techniques: INE, Canada, British Columbia 695
- Water sampling: INE, Canada, British Columbia 606

Botany,

6385

Bottom topography,

- 3799, 5820, 5902, 10188, 13130
- ANE, Denmark 9061
- ANE, Irish Sea 8028
- ANE, Spitzbergen 2424
- ANW, Bedford Basin 2316
- ANW, Greenland 4715
- ANW, Labrador Sea 8018
- ANW, Massachusetts Bay 12706
- ANW, USA, New Jersey 8030
- ANW, USA, New York 12705
- ASE, France, Villeneuve Bay 11419
- ASE, Tunisia 6987
- ASW, Caribbean, Batabano Gulf 10224
- ISE, Galapagos 10226

ISEW, Malaysia 4474, 4475

ISEW, Taiwan 10156

ISW 10227

PNE, Canada, North West Territory, Barrow

Strait 10240

PNW, Greenland Sea 10215

PSE, Kerguelen Isl. 9003

PSE, Southern Ocean 5909

PSW, Albatross Cordillera 11415

PSW, Scotia Sea 10222

PSW, South Africa Rep. 9063

PSW, Southeast Pacific Basin 8029

Acoustic equipment 2311

Bottom trawls,

Pisces: ASW, Mexico Gulf 11942

Sebastes marinus: ANE, Iceland 13153

Electronic equipment 8821

Brackish water,

4437

ASE, Mediterranean 12591

Italy, Lungo Lagoon 11367

MED, Mediterranean 12510

Aphanotece halophytica: USA, Utah, Great Salt

Lake 11460

Brackishwater aquaculture,

4437, 13661

India 863

India, Sunderbans 13606

Indonesia 11169

ISW, India, Hooghly-Matlah Estuary 13696

Philippines 13579

Anguilla: Germany, Fed.Rep. 13644

Anguilla anguilla 13617

Anguilla anguilla: France, Guernsey peninsula 10247

Chanos: ISEW, Indonesia, Jepara 3401

Crassostrea belcherii: ISEW, Sabah, Tawau 5609

Ostrea edulis: ASE, Spain, Galicia, Ribadeo

Estuary 13742

Penaeus japonicus: ASE, France, Bages-Sigean 5614

Pisces: India 2119, 13691

Salmo gairdneri: Germany, Fed.Rep. 13644

Venerupis decussata: ASE, Spain, Galicia, Ribadeo

Estuary 13742

Mangrove swamps: ISW 808

Resource development: Penaeidae: ISEW, Malaysia,

Sarawah, Sungai Sibul estuary 2128

Reviews 863

Brackishwater pollution,

3238

Brain,

6454

Ambystoma 9460

Amphibia 9475, 9500

Anarhichas 3996

Anas platyrhynchos 2863

Anguilla anguilla 10547

Aplysia californica 9260

Apteronotus albifrons 8403

Carassius auratus 9443, 10768, 11926

Chrysemys picta 8453

Brai

Elasmobranchii 6335
Eledone cirrosa 10449
Fajumia schweinfurthi: ASE, Egypt, Arab Rep. 11758
Geoclemys reevesii 11840
Ictalurus punctatus 6279
Lineus 7167
Polycelis nigra 8180
Rana 10699
Reptilia 9475
Salvelinus fontinalis 8406
Scyliorhinus canicula 7258
Squalus acanthias 7258
Stenella coeruleoalba 9470
Stenella graffmani 13080
Teleostei 2768, 6331, 8341, 8342, 9428, 10557
Tetrapoda 10557
Trachurus mediterraneus 6336
Urodela 4040
 Carbohydrates: *Teleostei* 1501
 Electron microscopy: *Teleostei* 1501

Breeding,

13595, 13661
Aedes sollicitans: ANW, USA, Delaware Bay 8652
Amphibia: USA, California, Inland waters 13133
Ascidacea: ASE, Italy, Taranto, Mar Piccolo 4433
Aves: Sweden, Moeckeln L. 11830
Callianassa major: ANW, USA, North Carolina 9297
Cetacea: World oceans 6351
Chthamalus challengri: INW, Japan 9295
Coregonus lavaretus: Europe, Constance L. 5593
Crocodylus niloticus: Rhodesia 6780
Cyprinus carpio 13686
Cyprinus carpio: USSR 13274
Glyptothorax kashmirensis: India, Kashmir 5044
Pareuchaeta norvegica: ANE, British Isles, Scotland, Loch Eive 12909
Phoca hispida: PNE 6358
Pinctada fucata: Japan, Ago Bay 6838
Scylla serrata: PSW, South Africa 5305
Triturus vulgaris: Denmark, Jutland 8439
 Genetics: *Bulinus* 196
 Rearing: *Salmo gairdneri* 2092

Bromine,

Poliovirus 5947
Polysiphonia urceolata 2992
Reovirus 4753
Zalophus californianus: INE, USA, California 9890

Budding,

Gigartina acicularis 9133
Hydra attenuata 3912
Potamogeton crispus 6478
Proboscicadactyla ornata 7166

Buffers,

7943, 7985

Buoyancy,

10098, 13556
Aedes aegypti 8311
 Algae 4757
Anabaena circinalis 2523
Clupea harengus 7321

Microcystis aeruginosa 5171
Nautilus 8190
Neoplea striola 5004
Pisces: Central America 8322
Pisces: ISE, Hawaii 6298
Pisces: North America 8322
Salmo salar 13050
Sandalops 2632
 Larvae: *Chaborus americanus* 1481

Buoys,

5798, 5825, 5826, 5827, 5828, 7774, 7969, 8974, 8988
 America, Ontario L. 5794
 PSE, Tasman Sea 12578
 Current meters 1119, 1120

Cadmium,

5462, 12187
 ANW 11361
 INE, USA, California 4302
 PSE, Australia, Melbourne 11009
 USA, Hudson R. 7642
Belone belone 3295
Brachydanio rerio 13447
Carassius auratus 6649, 12236
Chlorella fusca 13229
Crassostrea virginica 13479
Fundulus heteroclitus 6720
Hinnites multirugosus: ISE, California Gulf 9863
Leiostomus xanthurus 4362
Mammalia 8374
Mytilus californianus: ISE, California Gulf 9863
Nereis japonica 13451
Phaeodactylum tricornutum 11530
Teleostei 8374, 12207
Trionyx spinifer: USA, Tennessee 7706
 Bioaccumulation: *Pleuronectes flesus* 649

Caesium,

6650
 ANE, Baltic Sea 6655
 ANE, North Sea 5474
 ANE, Norwegian Basin 5474
 Biosphere 6686
Lepomis macrochirus 12295

Cage culture,

13600
 Hungary, Szarvas 3407
 INE, Canada, Brandon Isl. 8834
 Nigeria, Kainji L. 3408
 Norway 13663
Anabas testudineus: India, Assam, Ghorajan beel 13685
Cyprinidae: Israel 7818
Heteropneustes fossilis: India, Assam, Ghorajan beel 13685
Oncorhynchus: INE, Puget Sound 7814
Oncorhynchus: INE, USA, Washington 13633
Pangasius: Vietnam, Rep., Mekong R. basin 13628
Salmo gairdneri 12369
Salmo gairdneri: ASE, Italy, Varano L. 4462
Salmo gairdneri: USSR 7809
Salmonidae: ANE, Baltic, Kiel Fjord 5591

Scophthalmus maximus: British Isles 13641

Production (biological): *Salmo gairdneri*: Germany, D.R., Potsdam 2122

Calcium,

4623, 7989, 13630

Acropora cervicornis 12826

Anguilla anguilla 10620

Astrea rugosa 4939

Biomphalaria pfeifferi 10453

Cambaridae 12917

Carcinus maenas 8294

Chaetopterus pergamentaceus 11576

Coccolithophorida: ANE 5906

Cricosphaera carterae 10420, 10421

Cryptochiton stelleri 8237

Cynops pyrrhogaster 8459

Fundulus heteroclitus 8337

Homo sapiens: Papua New Guinea, Wogupmeri

R. 10873

Hynobius nigrescens 8459

Lampetra fluviatilis 13038

Rana catesbeiana 13100

Renilla 9219

Scenedesmus obtusiusculus 8535

Moulting: *Sesarma catenata* 1463

Photoreceptors: *Astacus* 1464

Photoreceptors: *Linulus* 1464

Calibration,

4204, 12200, 2314

Canals,

Hawaii, Honolulu, Ala Wai Canal 9507

Dams: ANW, Chesapeake Bay 717

Canned products,

Brachyura 7871

Engraulis ringens: Peru 11256

Katsuwonus pelamis 13905

Loligo vulgaris: Spain 10064

Lophius piscatorius: Spain 10064

Micromesistius poutassou: Spain 10066

Paralithodes camtschatica 7870

Rastrelliger kanagurta 13877

Sardina: Brazil 10080

Scombridae: Spain 10066, 13913

Scylla serrata: ISEW, Malaysia 5704

Thunnus alalunga 13905

Todaropsis eblanae: Spain 10064

Pigments: *Scomberesox saurus* 2210

Cannibalism,

Asplanchna sieboldi 13264

Chaos carolinensis 8561

Dugesia dorotocephala 13196

Population density: *Notonecta hoffmanni* 1732

Canning,

Spain, Vigo 13883

Euthynnus 13897

Lophius piscatorius: Spain 10064

Cured products: *Sardinella longiceps*: ISW, India 3531

Preservation (fishery products): *Sardinella*

longiceps 3533

Carbohydrates,

IN 12772

Acetabularia mediterranea 9148

Algae 2532, 9267

Amphiuma means 6313

Anabaena cylindrica 8121

Artemia salina 7218

Bacteria: ANW, USA, Maryland, Baltimore

Harbour 4742

Bacteria: PSW, South Africa, Swartveli 13269

Bivalvia 11636

Brachyura 7871

Chaetoceros 10349

Chlorella pyrenoidosa 8125

Chlorophyceae 12772

Cryptochiton stelleri 8244, 8245

Cyprinus 11263

Diatomaceae 10349

Echinaster 4860

Elasmobranchii 6335

Grateloupia 6014

Lampetra fluviatilis 8392

Littorina saxatilis 10875

Lymnaea stagnalis 7192, 7193

Microphallus similis 10875

Monodon monoceros 8454

Orconectes limosus 9310

Paratelphusa hydrodromus 8291

Phaeophyceae 9854

Polyplacophora 8246

Selachii 6274

Spartina alterniflora 10334

Teleostei 13296

Trachurus mediterraneus 6336

Uca pugilator 9310

Undaria pinnatifida 7124

Vibrio 13893

Chemical structure: *Nemalion vermiculare* 151

Carbon,

4629, 5861, 5915, 11312, 11512, 13495

ANE, Baltic 7605, 9062

ASE, Lyon Gulf 4675

India, Tamilnadu 12612

INE, USA, California, La Jolla 10999

ISE 2352

USA, Minnesota, Inland waters 8794

World Oceans 9007

Ancylus fluviatilis 7188

Copepoda: ANE, Kiel Bight 9685

Nereocystis luetkeana 7097

Spartina alterniflora 11352

Tigriopus californicus 12074

Metabolism: Sicily, Faro L. 70

Metabolism: *Daphnia pulex* 228

Sediment analysis 1133

Water analysis (chemical) 2321

Carbon cycle,

ASE, Mauritania, Cap Blanc 1912

Ancylus fluviatilis 4232

Mya arenaria: ANW, USA, Maine, Casco Bay 11064

Carbon dioxide,

- 2407, 7974, 10142
 America, Erie L. 7973
 IN, Bering Sea 2363
 Uganda, George L. 4669
 USA, Minnesota, Shagawa L. 7973
 World ocean 11396
Algae: British Isles, Inland waters 9706
Carcinus maenas 8293
Drosophila melanogaster 6506
Labeo capensis 6284

Carbon 14,

- 10930
 Proteins: *Scorpaena porcus*: ASE, Black Sea 1554
 Proteins: *Spicara smaris*: ASE, Black Sea 1554

Carbonates,

- 5857, 11335
 ASE, Mediterranean 7003
 ISEW, Ontong-Java Plateau 10238
 World Oceanic Waters 11319
Algae 8122
Bacteria: ASE, Black Sea 11319
Charophyta 9164
Foraminifera: PSW, Weddell Sea 5917
Gorgonacea: PSW, South Africa Rep. 10422
Mollusca: INW, Korea Rep. 5911
 Sediment analysis 1133

Carcinogens,

- 6627
Mytilus galloprovincialis 12248
Odontogadus merlangus 12248
Salmo gairdneri 5600
Spicara smaris 12248
Teleostei: ISEW, Hong Kong 11267

Carrageenins,

- Bacillus licheniformes* 5963
Chondrus crispus 7880, 7958, 9147
Euclidean spinosum 11257
Gigartina: PSE, New Zealand 10350
Iridaea cordata 13221
Mammalia 11257

Catadromous migrations,

- Oncorhynchus*: INW, Okhotsk Sea 6529

Catch effort,

- Anguilla anguilla*: ANE, Norway, Hardangerfjord 13552
Eutrimus teres: ISE, California Gulf 11251
Gadidae: ANW 12430
Gemypterus capensis: PSW, South West Africa 11227
Jacquintia edwardsii: PSE, New Zealand 13808
Lophius piscatorius: PSW, South West Africa 11227
Merluccius: ASE, African coast 13814
Merluccius: PSW, African coast 13814
Merluccius: PSW, South West Africa 11227
Merluccius merluccius: ASE, Biscay Bay 13767
Mustela vison 9596
Opisthonema libertate: ISE, California Gulf 11251
Palinurus gilchristi: PSW, South Africa 3482
Penaeidae: ASE, South East Atlantic 11228
Penaeidae: ISW, Mozambique 11228

- Penaeus latisulcatus*: ISW, Australia, Western Australia 13786
Pisces: ANW 12432
Pisces: ANW, Scotian Shelf 12433
Pisces: ASW, Brazil 13757
Prochilodus cearensis: Brazil, 'Pereira de Miranda' Reservoir 11231
Salmo gairdneri: USA, West Virginia, Spruce Knob Lake 12463
Sardinops sagax: ISE, California Gulf 11251
Scombridae: ASE, Africa, west coast 12413
Sebastes marinus: ANW 12453
Thunnus alalunga: A, Atlantic 12422
Thunnus alalunga: ASE, Spain 13787
Thunnus alalunga: INE, Canada 13813
Thunnus alalunga: INE, USA 13813
Thunnus alalunga: ISE, Mexico 13813
Thunnus albacares: A, Atlantic 12419
Thunnus obesus: A, Atlantic 3449
 Computer programmes: *Scombridae* 3460
 Mathematical models 977
 Yield 993

Catch statistics,

- ANE 6896
 ANE, Baltic 7893
 ANW, Canada 5727
 Chile 7901
 Hong Kong 13546
 INE, Canada 5727
 ISE, Chile 7901
 PSW, Chile 7901
Balaenopteridae: AN 13834
Clupea harengus: ANE, British Isles, Scotland 5643
Clupea pilchardus: ASE, Adriatic 6870
Gadidae: ANE, Faroe Is. 3467
Lates niloticus: Egypt, Arab Rep., Nasser L. 13810
Mallotus villosus: ANE, Norway 5636
Mallotus villosus: ANW, Canada, Newfoundland, Grand Banks 3461
Oncorhynchus: INE, USA, Alaska 964
Penaeus: USA, Texas 4482
Penaeus japonicus: INW, Japan 13739
Perca fluviatilis: British Isles, Devon 4485
Pisces: India, Gorakhpur, Bakhira L. 11235
Salmo: USA, West Virginia, Spruce Knob Lake 5667
Salmo gairdneri: ANE, British Isles, Scotland 5176
Scombridae: A, Atlantic 3448
Thunnidae: Australia 974
Thunnus alalunga: ASE, Spain 3450, 3451
 Baits: *Pisces* 2076
 Computer programmes: *Scombridae* 3460
 Crabs 7897
 Trade: *Panulirus*: ASW, Brazil, Ceara 975

Catchability,

- 6799, 7861
Gadus morhua: ANE, Baltic 7005
Penaeus esculentus: ISW, Australia, Exmouth Gulf 5631
Penaeus japonicus: INW, Japan, Seto Inland Sea 13329
 Fishing effort: *Theragra chalcogramma*: IN, Bering Sea 3465
 Nyctimeral rhythms: *Thunnidae*: INW 3387

Catching methods,

- 12718, 13564
- ISEW, Philippines 13547
- Nigeria, Kainji L. 4490
- Cephalopoda 3498
- Cetacea 3376
- Culicidae: Kenya, Kano Plain 8310
- Sardina: ASE, Mediterranean 13565
- Scombridae 12324
- Scombridae: ASE, Africa, northwest coast 12325
- Teleostei: Hungary, Balaton L. 9336
- Tribolodon hakonensis 13563
- Computer applications: Italy 8819
- Rearing: *Acipenser*: USSR, Caspian Sea 2126
- Seasonal variations: Italy 8819

Caves,

- British Isles, Yorkshire, Swaledale 8062
- Dominican Rep. 13119
- Guatemala 13119
- Romania 4603
- Jenkinsia: ASW, Grand Cayman 2742
- Polycelis coronata*: USA, Washington 10769
- Trimusculus reticulatus* 8582
- Troglocaris*: France, Sauve 5377
- 3102

Cell division,

- Anguilla anguilla* 13034
- Artemia salina* 12899
- Aulacantha scolymantha* 7158
- Bacterium halophilum* 1268
- Brachydanio rerio* 7292
- Bulbochaete hiloensis* 5987
- Butomus umbellatus* 11486
- Chlorella pyrenoidosa* 11534
- Cinetochilum margaritaceum* 4827
- Cohnilembus verminus* 4825
- Cricosphaera carterae* 10421
- Euglena gracilis* 10812, 11891
- Eupagurus prideauxi* 10494
- Fabrea salina* 1268
- Gambusia affinis* 6245
- Hypotricha* 4851
- Melosira varians* 5988
- Mnemiopsis leidyi* 9200
- Paramecium caudatum* 4850
- Paramecium tetraurelia* 9206
- Platymonas* 1318
- Pleurastrum* 1318
- Scenedesmus quadricauda*: Netherlands, Tjeukemeer 12758
- Siboglinum fiordicum* 9212
- Stigeoclonium stagnatile* 5995
- Tetrahymena* 6067
- Vibrio psychoerythrus* 11443
- Xenopus laevis* 2864
- 2448

Cells,

- Acipenser ruthenus* 11752
- Algae 8131
- Allocreadium fasciatum* 9211
- Ambystoma tigrinum* 8479

- Amphora coefferaeformis* 6566
- Anabaena* 5962
- Anabaena cylindrica* 8121
- Anchoa* 9363
- Anguilla anguilla* 10547
- Antithamnion* 11478
- Balanus eburneus* 11664
- Butomus umbellatus* 11486
- Carcinus maenas* 10501
- Cephalopoda* 10433
- Chara corallina* 10342
- Characeae* 10343
- Charophyta* 9164
- Chlorogonium elongatum* 10299
- Cnidaria* 10374
- Cyprinidae* 10601
- Dicymemene californica* 9185
- Echinospaerium nucleofilum* 12789
- Euglena* 10298
- Euplotes eurystomus* 10359
- Halicystis parvula* 9153
- Halisarca dujardini* 12818
- Huso huso* 11752
- Hydra* 9225, 9226
- Hydra attenuata* 10414
- Isohypsiobius augusti* 10372
- Lampetra lamottenii* 8338
- Leuconostoc mesenteroides* 8084
- Limnodrilus hoffmeisteri* 8163
- Lytechinus pictus* 6046
- Melosira* 7090
- Mollienesis latipinna* 10550
- Mytilidae* 12874
- Nereocystis* 8100
- Oncorhynchus gorboscha* 13059
- Orconectes limosus* 10488
- Oryzias latipes* 11777
- Pachygrapsus marmoratus* 9308
- Palaemon paucidens* 10475
- Parafavella denticulata* 9172
- Petromyzon marinus* 8338
- Phascolosoma agassizii* 10273
- Poecilia latipinna* 10549
- Porphyridium purpureum* 9129
- Scleractinia* 10378
- Spongia* 9234
- Tachypleus tridentatus* 11681
- Ulva lactuca* 12748
- Xenopus laevis* 10691
- Chamones: *Annelida* 1364
- Cultures: *Pomatoschistus minutus* 113
- Histology: *Porifera* 1351
- Ultrastructure: *Tetraedron* 131

Census,

- Pagophilus groenlandicus*: ANW 13841
- Pisces*: ANE, Finland 10035
- Aerial surveys: *Oncorhynchus* 932
- Methodology: *Oncorhynchus* 932

Centrifugation,

Bacteria 5949
Chironex fleckeri 6769
Uronema 5949

Channels,

ANE, Germany, F.R., Jade Waterway 8795
 ANW, USA, Rhode Island 11124, 11127
 ANW, USA, Rhode Island, Charlestown Pond 11128
 British Isles, Devon, Dart R. 8066
 INE, USA, Alaska, Anchorage, Harbour 12704
 Netherlands, Tienhoven 13121
 USA, Missouri R. 4398
 USA, North Carolina 4172

Charting,

3700, 8953
 ANE, Irish Sea 8028
 INE, Canada, British Columbia 6845
 IS, Pacific 3679
 ISE, Colombia 3680
 ISEW, Great Barrier Reef 5800

Charts,

12662
 Africa, Albert L. 4720
 Africa, Victoria L. 4720
 PSE 10184
 Uganda, Kyoga L. 4720
Algae: INE, Canada, Gulf Isl. 13118
Invertebrata: INE, Canada, Gulf Isl. 13118

Check lists,

ANE, France, Chausey Archipelago 7357
 ASW, Curacao 6579
 ASW, Mexico Gulf 6429
 British Isles, Tay R. 8643
 Czechoslovakia 8808
 ISE, Mexico 6429
 Japan, Hokkaido, Inland waters 10956
 Netherlands, Tienhoven 13122
 PSE, New Zealand, White Is. 9511
 USA, Inland waters 8655
Acanthodii 8915
Algae: ANE, British Isles, Northumberland 8091
Algae: ASE, Angola 6402
Algae: ASE, Greece 5332, 11465
Algae: ASW, Brazil, Atol das Rocas 9542
Algae: British Isles, Anglesey, Newborough Warren 8653
Algae: Canada, British Columbia, Fraser R. 12743
Algae: Canada, Labrador 6426, 8097
Algae: Canada, Newfoundland, St Johns 10287
Algae: Canada, Ontario 12740
Algae: Hungary 2487
Algae: India, Raichur, Yaragera L. 10300
Algae: INW, Japan 2496, 6405
Algae: ISE, Galapagos 6428
Algae: ISEW, Thailand 7088
Algae: ISW, Somali Dem. Rep., Sar Uanle 8503, 10721
Ampeliscidae: ASE, Adriatic 10471
Amphibia: Bahrain 9535
Amphibia: USA, West Virginia, Gilmer Co. 336
Amphipoda: ASE, Sicily 9280
Anguilliformes: ASW 6227

Anseriformes: Romania, Danube Delta 7475
Ascidacea: ASE, France, Banyuls-sur-mer 5368
Ascomycetes: ANE, Denmark 4744
Astacidae: USA, Inland waters 3963
Athripsodes 5001
Aves: ANW, USA, Rhode Island 10659
Aves: ISW, Persian Gulf 5160
Bacillariophyceae: ANE, German Bight 11473
Bacillariophyceae: Argentina, Chubut, Puelo L. 3845
Bacillariophyceae: Czechoslovakia, Bohemia, Rezabinec Reservation 8099
Bacillariophyceae: USA, Delaware, Canary Creek 10288
Bacillus 4737
Balistidae: ASW, Brazil 9338
Blastocladiaceae: Nigeria 10958
Brachiopoda: Israel 11538
Bryozoa: ANE, British Isles, Scilly Is. 12800
Cambaridae: USA, Inland waters 3963
Cancellariidae: Australia coasts 9245
Carangidae: ASW, Brazil 2755
Cephalopoda 11980
Cephalopoda: ASE, Sicily 10719
Cephalopoda: INW 5624
Cephalopoda: ISEW 5624
Cerithium litteratum: ASW, USA, Florida 11603
Cetacea: ASW, Caribbean Is. 2842
Chaetodontidae: ISEW, Taiwan 12951
Characidae: USA 4008
Chauliodontidae: INW 5013
Chelonia: ASE, Mauritania 13076
Chrysophyta: Germany, Fed. Rep., Bavaria 2495
Cnidaria: ASW, USA, Mississippi Sound 7531
Copepoda: ASW, Jamaica 9271
Copepoda: INW 5324
Copepoda: PSW, Chile 6558
Crustacea: USA, West Virginia, Moncove Lake 5348
Cryptonemiales: INW, USSR 9119
Culicidae: Czechoslovakia, Zahorska Lowland 9324
Culicidae: USA, Missouri R. 9323
Culicidae: USA, Platte R. 9323
Cyamidae 1424
Cypraea: ISEW, Marshall Is. 2598
Cypraea: ISEW, Marshall Is., Kwajalein 2599
Cypraea: ISW, Oman 2597
Cypraea: World Oceans 11589
Cyprinidae: Pakistan, Haro R. 8323
Decapoda: ASE, Aegean Is., Rhodes 10470
Decapoda: ASE, Balearic Is. 13771
Decapoda: ISW, Sri Lanka 4224
Decapoda: PSW, Chile, Bay of Concepcion 5145
Desmidiaceae: Japan, Inland waters 12750
Diatomeae: ISE, Tahiti 3068
Diatomeae: Chile, Concepcion 6557
Didemnidae: ASE, Adriatic 5162
Didemnidae: ASE, Ionian Sea 5162
Dinoflagellata: ANE, German Bight 11473
Diplodus: World Oceans 7274
Dorosoma petenense: USA, Nevada, Mead L. 5661
Echinodermata: ASE, Cyprus 12782
Echinodermata: PSE, New Zealand, Kauerua 9548

- Emerita* 9529
Ephemeroptera: British Isles, Wales 2723
Euphausiacea: ASE, North-West-Africa 13150
Euphausiidae: ISEW 5324
Foraminifera: ANW, Canada, Nova Scotia 12788
Foraminifera: Trinidad 3891
Fungi: ANE, Germany, F.R., Helgoland 7380
Fungi: ANE, Germany, F.R., Weser estuary 7380
Fungi: ISW, Kuwait 4743
Gastropoda: ANW, USA, Delaware 3923
Gastropoda: ASE, Aegean Is., Rhodes 4873
Gonostomatidae: INW 5013
Gonostomatidae: ISEW 5013
Grapsidae: ISW, Tanzania 3946
Haleciidae: ANE, British Isles 3864
Hydroida: ISW, Seychelles 9173
Hydrozoa: ANW, Cape Cod Bay 2543
Hyphomycetes: USA 13152
Invertebrata: British Isles, Westmorland, Inland waters 4227
Invertebrata: Germany, F.R., Kottenforst-Ville Nature Park 7545
Invertebrata: Germany, F.R., Nordrhein-Westfalen 9169
Isopoda: ASW, Brazil 5139
Lafoeidae: ANE, British Isles 3864
Madreporaria: ISW, Mascarene Is. 6577
Majidae: ISW 3090
Mammalia: ANW, USA, Rhode Island 10659
Melamphidae: INW 5013
Melamphidae: ISEW 5013
Melanostomiatidae: INW 5013
Melanostomiatidae: INW, Kuroshio Current 11747
Melanostomiatidae: ISEW 5013
Metazoa: Israel, Nahal Soreq 4364
Mitridae: ISE, Hawaii, Oahu I. 10437
Mollusca: ANE, Jan Mayen 11590
Mollusca: ASE, Ascension Is. 2624
Mollusca: ASW, Brazil 1616
Mollusca: British Isles 11606
Mollusca: INW, Japan, Izu I. 2926
Mollusca: ISW, Bangladesh 6084
Mollusca: Nigeria 5765
Mollusca: PSW, South Africa 6088
Mollusca: USA, New York State 5385
Monstrilla: PSW, South Africa Rep. 3969
Nanaspidae: ISEW, New Caledonia 3159
Nannostomus 2789
Octocorallia: ASW, USA, Florida 11081
Ocyrodidae: ISW, Tanzania 3946
Odonata: British Isles 5549
Odonata: Finland, Kaerkoelae 4058
Odontaspidae: PSW, South Africa Rep. 9339
Oedogonium: Bangladesh 9116
Oligochaeta: Argentina, Santa Fe 10960
Oligochaeta: Bangladesh, Dacca City 7355
Ostracoda: ANW, Canada, Nova Scotia 12788
Ostracoda: PN, Arctic 11651
Ostracoda: PSW, South Africa Rep. 8916
Penaeidae: ISEW, Hong Kong 12896
Phaeophycophyta: ANW, USA, North Carolina 8089
Pisces: Africa, Rudolf L. 9519
Pisces: Africa, Zaire R. 9337
Pisces: ANE, Ireland 9360
Pisces: ANW, USA, Rhode Island 4441
Pisces: ASE 11748, 11749
Pisces: ASE, Balearic Is. 13771
Pisces: ASE, Mauritania 1483
Pisces: ASE, Spain 13770
Pisces: ASW 11750
Pisces: ASW, USA, Florida Middle Ground Reef 10566
Pisces: Canada, Alberta, Peace R. 6191
Pisces: Canada, Ontario, Quetico 9369
Pisces: India 9963
Pisces: India, Gorakhpur, Bakhira L. 11235
Pisces: INE, Canada, British Columbia 6536
Pisces: INE, USA, California 6536, 10564
Pisces: INW, China, People's Rep. 7239
Pisces: Iraq, Shatt-al-Arab 13135
Pisces: ISE 11746
Pisces: ISEW, China, People's Rep. 7239
Pisces: ISEW, Guam 2749
Pisces: ISEW, Indonesia 9528
Pisces: ISEW, South China Sea 11737
Pisces: ISW, Andaman Sea 11737
Pisces: Pakistan 5010, 6401
Pisces: Papua New Guinea 8490
Pisces: PSE, Tasmania 5011
Pisces: PSW 11749
Pisces: USA, New Jersey, Barnegat R. 4479
Pisces: USA, Tennessee, Nickajack Reservoir 10574
Pisces: USA, Virginia 4091
Plecoptera: Austria, inland waters 8312
Plecoptera: British Isles, Wales 2723
Plecoptera: USA, Montana 1630
Plecoptera: USA, Oregon 4213
Polychaeta: ASE, Ivory Coast 8146
Polychaeta: ASW 10376
Porifera: Brazil, Guaiba R. 4067
Pteropoda: ASW, Barbados 6570
Reptilia: ANW, USA, Rhode Island 10659
Reptilia: Bahrain 9535
Reptilia: USA, West Virginia, Gilmer Co. 336
Rhodophyta: ANW, North Carolina, Onston Bay 9134
Rotifera: India, Andhra Pradesh 4822
Sabelliphilidae: ISEW, New Caledonia 3159
Schizothoracinae: Pakistan 7236
Schizothoracinae: Pakistan, Inland waters 12966
Sciaenidae: ISW, Pakistan 7235
Scleractinia: ASW, USA, Florida 11081
Selachii: ASE, Mauritania 12938
Sipuncula: ASE, Adriatic 11542
Sternoptychidae: INW 5013
Sternoptychidae: ISEW 5013
Teleostei: ASE, Mauritania 12938
Teleostei: Hungary, Balaton L. 9336
Tetraodontidae: ISEW, Taiwan 11751
Tetrapoda: USA, Texas 10668
Thaliacea: ASE, Mediterranean 11546
Tintinnida: PN, Arctic 9196
Trichoptera: Morocco 10530
Tylenchides: Cameroon, Inland waters 1361

Chec

- Urochordata*: ISEW, Okinawa 9450
Zostera: ISW, Red Sea 4755
 Abundance: *Cephalopoda*: ASE, Italy 1391
 Benthos: ISE, Cook Is. 460
 Biota: South Africa, Zululand, Mgobezelini 1606
 Distributional charts: *Siphonophora*: ISW 2557
 Ecology: ANE, Baltic Sea, Schlei Fjord 3087
 Geographical distribution: *Cyanophyta*: Senegal, Mali 339
 Geographical distribution: *Decapoda*: ASW, Brazil, Fernando do Noronha Is. 1614
 Geographical distribution: *Heteroptera*: Colombia 247
 Geographical distribution: *Stomatopoda*: ASW, Brazil, Fernando do Noronha Is. 1614
 Surveys: *Pisces*: ASW, Brazil, Parnaiba estuary 1615
- Chelates,**
 7945
Phaeophyceae 9815
- Chemical analysis,**
 3704, 6746, 8051, 8984, 9833, 9835, 11030, 11412, 13421
 Canada, Ontario, Canadian Shield 9006
 ISEW, Philippine Sea 10212
Ahnfeltia concinna 3856
Algae 8118, 9632
Allothunnus fallai 11978
Amphibia: Australia 8480
Anemonia sulcata 8799
Anseriformes 10615
Aplysia californica 12871
Arius felis 6278
Artemia salina 10507
Astacus 10515
Balaenoptera acutorostrata 10671
Balanus balanoides 7223
Batillus cornutus: INW, Japan, Toyama Bay 9258
Caiman latirostris 13105
Cerebratulus lacteus 11144
Chlorella fusca 3857
Chondrus crispus 10314
Cirripedia 7189
Clupea pallasii: INW, Okhotsk Sea 9416
Clycera robusta 9232
Corbicula sandai 8223
Crassostrea 7886
Crustacea: ANW, Canada 13473
Cyprinus carpio 11805
Cystoseira crinita 8128
Echinocardium cordatum 9216
Electrophorus electricus 11814
Eupagurus 10515
Gadus morhua 4032, 5673, 5702
Galeocerdo cuvier 13008
Gasterosteus aculeatus 10657
Geodia cydonium 12823
Gracilaria andersoniana 12775
Homarus 3829
Ictalurus punctatus 11808
Laticauda semifasciata 1352
Laurencia caespitosa 12778
Laurencia nidifica 8129
Mammalia 11257
Microciona prolifera 9218
Mytilus edulis 11649
Neophocaena phocaenoides 9502
Nyctiphanes australis 11978
Ochromonas danica 10346
Oligoceras hemorrhages 1383
Oncorhynchus nerka 9415
Oscarella lobularis 3917
Patinopecten yessoensis 9259
Penaeidae 5701
Phragmites communis: Sweden, Trosaan R. 9896
Phymactis clematis 10405
Pisces 3829, 5701, 8399, 10615, 12175
Pisces: ANE, Iceland 5700
Pleuromnethes platessa: ANE, North Sea 13042
Porphyra yezoensis 8117
Psammecinus miliaris 10411
Pseudopleuromnethes americanus 11810
Rana pipiens 13108
Salmo gairdneri 9413
Scyliorhinus canicula 8372
Spirulina platensis 12774
Sientor coeruleus 9209
Teleostei: ANW, Canada 13473
Trichechus senegalensis - 9503
Xenopus laevis 13009, 13094
Zalophus californianus: INE, USA, California 9890
 Carbohydrates: *Aphanizomenon* 46
 Fishery products 2198
 Metals 1139
 Methodology 1139
 Nodules 1136
 Proteins: *Anomalocera patersoni* 230
 7633
- Chemical composition,**
 3049, 3727, 5684, 11323, 11325, 11326, 11329, 11334, 12771
 ANW, Atlantic 7986
 ASE, Yugoslavia, Kastela Bay 6551
 Poland, Goczałkowice Reservoir 6393
 USA, Nebraska, Missouri R. 8014
Adoncholaimus thalassophygas 9721
Algae 8119, 13879
Algae: ANE, Iceland 10333
Anoplosioma viviparum 9721
Austropotamobius pallipes 9316
Bacillariophyceae: ANE, British Isles, Severn Estuary 12233
Bufo arenarum 8435
Carcinus maenas 10510
Carcinus mediterraneus 10503
Cardium edule 6436
Carterina spiculotesta 11555
Centropages typicus: ASE, Mediterranean 8284
Chelonia mydas 10675
Ciliata 2590
Cirripedia 9315
Clarias batrachus 8396, 13876
Clupea harengus 12968
Clupeidae: ASE, Mediterranean 9402
Condylactis aurantiaca 6064

Coscinodiscus eccentricus 9161
Crassostrea gigas 9604
Crustacea 11690
Daphnia 10469
Daphnia magna 6175
Daphnia pulex 4138, 6175
Dicentrarchus labrax 11181
Elasmobranchii: ASE, Canary Is. 13539
Euchaeta norvegica: ANE, Norway, Korsfjorden 9301
Euphausia 3506
Euphausia superba 13874
Fucus inflatus: PNW, Barents Sea 11505
Fucus vesiculosus: PNW, Barents Sea 11505
Gadus morhua: ANE, Baltic Sea 5092
Geryon quinquedens 11689
Gorgonacea: PSW, South Africa Rep. 10422
Hyphomycetes 2483
Ictalurus punctatus 5694
Latimeria chalumnae 11819
Littorina: ANE, British Isles 9266
Lobodon carcinophagus 11829
Megathura crenulata 7184
Mollusca 6436
Mullus barbatus: ASE, Mediterranean 9402
Mya arenaria: ASE, Black Sea 2648
Ommatophoca rossi 11829
Ostrea edulis 9604
Ostrea edulis: ANE, Menai Strait 9263
Pareuchaeta norvegica: ANE, British Isles, Scotland, Loch Eive 12909
Penaeus: ISE, Peru 4513
Perca fluviatilis 2991
Pisces: I, Pacific 7869, 7877
Pisces: Netherlands, Rhine R. 11105
Pollachius virens: ANE, North Sea 5095
Pollachius virens: ANE, North Sea 5094
Pulmonata 11435
Salmo gairdneri 10569
Salmo trutta 13028
Salmonidae 6881
Salvelinus fontinalis 8406
Sargassum vulgare: ASE, Mediterranean 6009
Scomber scombrus 12467
Skeletonema costatum 10818
Temora stylifera: ASE, Mediterranean 8284
Thelepus setosus 1389
Theragra chalcogramma 7872
Tintinnida: USA, Massachusetts, Inland waters 12790
Trachurus japonicus 10619
Ulothrix aequalis 11533
Undaria pinnatifida 7124
Unionidae 12868
Venerupis decussata 6854
Sediment analysis: Italy, Inland waters 100

Chemical control,

Netherlands, Vechten L. 12608
Aedes 5545
Carassius auratus 11938
Chironomidae: British Isles, England, Essex 4423
Ctenopharyngodon idella 7767
Entamoeba histolytica 3356

Osteichthyes 4413
Rana esculenta 13107
Survival: *Biomphalaria alexandrina* 1412
Zooplankton 1855

Chemical extraction, 12577

Asterias vulgaris 12830
Chamelea gallina 10452
Charonia lampas 9262
Chelydra serpentina 8458
Dicathais orbita 8236
Laminaria ochroleuca 12776
Laurencia intricata 11510
Mancinella keineri 8236
Oncorhynchus keta 13891
Rana catesbeiana 9497
Serratia marinorubra 10132
Strongylocentrotus purpuratus 2582
Acids: *Dinoflagellata* 148
Medical products: *Chlorella* 1130
Photosynthetic pigments: *Myxophyceae* 1051
Poisons (biological): *Androctonus australis* 2025

Chemical oceanography,

2344, 3728, 9021, 11305, 11323, 11324, 11331, 11333, 11335, 11336, 11337, 11338, 11339, 11340, 11341, 11343, 11344, 11357
ANE, Baltic 8927
ANW, USA, New York 3742
ASE, Egypt, Arab Rep., Alexandria 7776
Canada 12542
Canada coasts 10176
INE, USA, California, Monterey Bay 3699
INW 4647
INW, Korea Rep., Jinhae Bay 2362
ISE, Peru 6988
ISEW 4647
USA, Massachusetts 12618

Chemical oxygen demand,

4633, 8712, 11136

Chemical pollutants,

3240, 5427, 5428, 6653, 6657, 6886, 8698, 8768, 9757, 11115, 12205, 13428
AN 5460
ANE, France 5512
British Isles 6727
Canada, Ottawa R. 7664
World Oceans 7715
Algae 6698
Bacteria: ANW, USA, Maryland, Baltimore Harbour 4742
Cardium edule 13485
Daphnia pulex 12217
Fundulus heteroclitus 6693
Gambusia affinis 11067
Hexagenia limbata 2739
Insecta 13476
Lepomis macrochirus 11067
Leuciscus idus 12188
Mugil cephalus 11067
Octocorallia 11081

Penaeidae 13476*Penaeus aztecus*: ASW, USA, Texas, Galveston

Bay 11108

Pisces 13476*Pisces*: ANE, Iceland 5700*Salmo gairdneri* 1991*Scleractinia* 11081*Tradescantia* 5993*Xenopus laevis* 9485**Chemical pollution,**

6701, 13486

ASE, Greece, Saronikos Gulf 3248, 3270

Italy, Venice L. 3163

Chemical properties,

3729, 9082, 11342, 11343

ASE, Black Sea 10154

ASE, Egypt, Arab Rep., Alexandria 2324

Entosphenus japonicus 11809*Hydra* 12822*Palaemon serratus* 9313*Pisaster brevispinus* 9228*Rana catesbeiana* 9497*Salmo* 9409**Chemical stimuli,***Anguilla japonica* 8401*Geodia cydonium* 12823*Hydrozoa* 13202*Lagodon rhomboides* 8568, 13252*Mirounga angustirostris* 4056*Oedogonium acmandrium* 8120*Orthopristis chrysopterus* 13017*Salmo gairdneri* 10633, 11813*Salmonidae* 9566*Vertebrata* 13109**Chemical structure,**

3350, 11305, 12475

Artemia salina 8304*Chlorogonium elongatum* 10299*Clycera robusta* 9232*Coryphaena hippurus* 10628*Cutleria multifida* 12770*Dermasterias imbricata* 9229*Dinophyceae* 8111, 8112*Eschrichtius gibbosus* 9488*Gonyaulax tamarensis* 10412*Invertebrata* 10413*Lampetra planeri* 10625*Mollusca* 10461*Monostroma nitidum* 1326*Psammechinus miliaris* 10411*Rhodophyceae* 10327*Salmo* 9409*Scenedesmus* 9152*Sinularia dissecta* 9223*Spirulina platensis* 9149*Trematomus borchgrevinski* 2822Metabolites: *Oryzias latipes* 1558**Chemical toxicants,***Brachydanio rerio* 11078*Capitella* 9894*Ictalurus punctatus* 8755*Lepomis macrochirus* 8755*Oncorhynchus kisutch* 8755*Perca flavescens* 8755*Pimephales promelas* 8755**Chemistry,**

Tasmania, Inland waters 10162

Chemoreception,*Acanthaster planci* 10843*Asteroidea*: INE, USA, California, Pacific Grove 8685*Betta splendens* 6326, 11931*Carassius auratus* 10754*Chrysemys picta* 10698*Cichlasoma citrinellum* 10623*Crustacea* 5246*Cyprinus carpio* 8415*Ictalurus punctatus* 2827, 10554*Marthasterias glacialis* 9622*Oncorhynchus kisutch* 10731*Oncorhynchus kisutch*: America, Michigan L., Oak Creek 10732*Orthopristis chrysopterus* 13017*Pisces* 9344*Rana* 8425*Rana catesbeiana* 8455*Salmo gairdneri* 5070, 11813*Salmo gairdneri*: America, Michigan L., Oak Creek 10733*Schistosoma mansoni* 12012*Tealia felina* 4863*Tigriopus* 2959*Vertebrata* 6047Chemical stimuli: *Cryptocodinium cohnii* 1388Feeding behaviour: *Aplysia californica* 1410Feeding mechanisms: *Copepoda* 1743Sense organs: *Pisces* 1271Ultrastructure: *Ostracoda* 1465**Chemotaxis,***Paramecium aurelia* 4119*Penaeus merguensis* 5242**Chemotropism,***Lepeophtheirus pectoralis* 7471**Chloride,**

Ions 2373

Chlorides,*Teleostei* 5073**Chlorine,**

5447, 6818, 11022

America, Erie L. 9014

Alosa aestivalis 7695*Brevoortia tyrannus* 7695*Chara corallina* 10342*Cyclops bicuspidatus thomasi*: America, Michigan L. 13457*Keratella cochlearis*: America, Michigan L. 13457*Menidia menidia* 7695*Oncorhynchus kisutch* 11086*Rhinichthys atratulus* 4371

Water resources 590

Chlorinity,

Bacteria 12269
Perastoderma glaucum: ASE, Tunisia 11617

Chlorophylls,

5788
 America, Erie L. 9772
 ANW, Canada, Iles-de-la-Madeleine 7972
 ANW, St. Lawrence Gulf 11214
 ASE 7526
 ASE, Black Sea 5862
 ASW, Caribbean 7574
 ASW, Mexico Gulf 7574
 SE 3110
 SE, California Gulf 9711
 SE, Peru 3110
 SW, Banda Sea 8058
 SW, India, Mandapam 9775
 SW, India, Palk Bay 9774
 Sweden, Ramsjoen L. 4203

Algae 3853

Algae: British Isles, England 9730
Bacteria: South Africa, Rietuli Reservoir 10271
Carteria 9702
Chlamydomonas reinhardtii 10331
Chlorella pyrenoidosa 13448
Cosmarium botrytis 11509
Cryptomonas 9702
Cyclotella 9702
Dinoflagellata 10344
Navicula ostrearia 6001
Phyllosiphon arisari 10296
Scenedesmus protuberans 9607
 Chemical oceanography: ASE, Guinea Dome 1162
 Sediments 7962
 Spectroscopic techniques 7962
 Water analysis (chemical) 2368

Chromatic behaviour,

Algae 10937
Centrostephanus longispinus 7174
Daphnia magna 5217
Nandus nandus 9406

Chromatographic techniques,

3213, 4281, 4299, 4300, 5444, 5450, 7944, 7951, 9915,
 10268, 13940
Algae 4792
Algae: ANE, Norway, Ofotfjord 9162
Charonia lampas 9262
Crustacea 5448
Cystoseira crinita 8128
Gracilaria andersoniana 12775
Pagophilus groenlandicus 6370
Panulirus homarus 3976
Pisaster brevispinus 9228
Placopecten magellanicus 8235
Salmo gairdneri 9413
Sepia officinalis 2646
Tilapia mossambica: India 4026
 Hormones: *Oncorhynchus keta* 295
 2374
 Pesticides 551
 Water analysis (chemical) 562

Chromatophores,

Discoglossus pictus pictus 13083
Jenkinsia: ASW, Grand Cayman 2742
Lysmata seticaudata 4970, 4998
Navicula ostrearia 6001
Palaemon serratus 11683
Palaemonetes vulgaris 2704
Stigeoclonium stagnatile 5995
Uca pugilator 8288

Chromium,

I, Pacific 8027
Carassius auratus 9884
Pimephales promelas 9884
Pisces 8738
Salmo gairdneri 8742
 Feeding behaviour: *Citharichthys stigmatæus* 598
 Toxicity: *Citharichthys stigmatæus* 598
 Waste water: INE, USA, California 567

Chromosomes,

Ambystoma mexicanum 6372
Amphidinium carterae 7156
Anguilla anguilla 12971
Anguilla japonica 12994
Ascidia mentula 6360
Asplanchna priodonta 11578
Astroconger myriaster 12994
Aulacantha scolymantha 7158
Brachydanio rerio 7292
Chara hydrophytes: India, Darbhanga 5989
Chelonia 9480
Clupea harengus: PNW, White Sea 1830
Cobitis biwae: Japan 12997
Crustacea 12903
Cryptophyceae 11504
Ctenopharyngodon idella 12992
Cyprinidae 5056
Dendrocoelum coifaiti 6048
Dendrocoelum coifaiti 10365
Dinoflagellata 7157
Dugesia indonesiana: Java 8171
Dugesia japonica: Japan, Osaka 3916
Emydidae 6547
Euglena gracilis 1314, 7159
Eukaryota 9093
Fundulus diaphanus: USA, New York, Hudson R. 7505
Gobiosoma: ASW, Venezuela 5310
Gymnodinium 139
Jaera ischiosetosa: ANE, Europe 8271
Mugilidae 10593
Notoplana igiliensis 7160
Odontophrynus 5114
Oxytricha 4846
Perna perna: ASW, Venezuela 4918
Perna viridis: ISW, Pakistan 4918
Pisces 4732
Pleurodeles waltlii 5113
Procerodes littoralis 11575
Protozoa 12045
Pteriomorpha 3935, 3936
Rana 7333
Rana brevipoda 10679

- Rana nigromaculata* 10679
Rhinichthys 8366
Salmo gairdneri: INW, USSR, Kamchatka 6263
Salmo mykiss: INW, USSR, Kamchatka 6263
Salmo trutta 6250
Salmo trutta: USSR, Ropsha 6266
Salmonidae 8437
Scytosiphonaceae: INW, Japan, Hokkaido, Muroran 10324
Stela plicata 10391
Styela plicata 10390
Stylonychia mytilus 4855
Thalassomyia frauenfeldi: ASE, Bulgaria 11715
Trichogaster fasciatus 6252
Triturus montandoni 1589
Umbra limi 10589
Urechis caupo 6052
Uteriporus vulgaris 11575
Xenopus laevis 6372, 8445
 Cultures: *Anguilla japonica* 1261
 Enzymes: *Mytilus edulis* 433
 Hybrids: *Ctenopharyngodon idella* 2112
 Hybrids: *Cyprinus carpio* 2112
 Hybrids: *Hemiculter eigenmanni* 2112
 Life cycle: *Isthmopilea sphaerophora* 1313
 Mitosis: *Viviparus subpurpureus* 197
 Nucleic acids: *Echinus* 2576
 Proteins: *Chlamydomonas reinhardtii* 1323
 Racial studies: *Schizomeris leibleinii* 134
 Sex determination: *Anopheles stephensi* 249
 Taxonomy: *Callorhinus ursinus*: INW, Okhotsk Sea 1583
 Ultrastructure: *Chlamydomonas reinhardtii* 138
- Ciguatera,**
 7754
Pisces 11266
Pisces: ISW, Saya de Malha Bank 6889
- Cilia,**
Armadillidium nasutum 6154
Cylindrocapsa geminella 8109
Dinoflagellata 10370
Flagellata 5314
Gloeomonas simulans 9140
Hynobius lichenatus 11847
Microthamnion kuetzingianum 9597
Ochromonas danica 6005, 6006
Oxytricha fallax 6040, 9207
Parafavella denticulata 9172
Paramecium 2591
Pavlova calceolata: ANE, British Isles, Tamar Estuary 5976
Polytomella agilis 10297
Rana esculenta 13096
Stylonychia pustulata 6040
Tetrahymena 10777
 Coral reefs: *Agaricidae*: A, Atlantic 8189
 Locomotion 1273
 Mechanical stimuli: *Astacus* 237
- Circadian rhythm,**
Acetabularia mediterranea 10355, 12763, 12777
Aplysia 9268
- Carcinus mediterraneus*: ASE, Venice Lagoon 11939
Cyprinus carpio 7310
Euglena gracilis 11891
Mercenaria mercenaria 6472
Mugil cephalus 13044
Nephrops norvegicus: ANE, British Isles, Scotland 9553
Nereis virens 7169
Ostracoda 2929
Pectinidae 6469
Procambarus bouvieri 5170
Thalassotrechus barbarae 9563
 Abundance: *Appendicularia*: ASE, Mediterranean 1873
 Light effects: *Paramecium bursaria* 352
- Circadian rhythms,**
Anguilla anguilla 13166
Astropecten aranciatus: ASE, France, Provence 9617
Clinocardium nuttalli: INE, USA, Oregon 6470
Monodonta turbinata: ASE, Italy, Trieste 11892
Poecilia latipinna 8384
Talorchestia quoyana 10730
- Circulatory system,**
Callorhinchus callorhynchus 5031
Cobitidae 3992
Esox lucius 7293
Katsuwonus pelamis 7244
Parastichopus tremulus 2550
Pomatomus saltatrix 3999
Salmo gairdneri 10633
Scrobicularia plana 4936
Scylla serrata 4984
- Circulatory systems,**
Phoronida 9176
Rana 5118
Tilapia mossambica 2769
- Classification systems,**
 5130, 10253, 10794, 11856, 12191, 13417
 ANW, Davis Strait 11404
Caudata 8433
Diatomae: ISW, Israel, Bardawil Lagoon 7085
Pisces 11826
Pogonophora 3901
- Climate,**
 12684
 Africa, Inland waters 11401
 ANE 1217, 10207
 ASE, Lyon Gulf 4693
 PSE, Kerguelen Isl., Betsy Cove 7923
Algae 6468
Culicidae: Czechoslovakia, Zahorska Lowland 9324
Foraminifera 11922
 Palynology: A, Atlantic 2240
 Surveys: Madagascar 1111
- Climatology,**
 ANW, Canada, Laurentide Ice Sheet 7030
 PNE, Canada, Laurentide Ice Sheet 7030
Foraminifera: ASW, Mexico Gulf 9066
- Climax community,**
Pisces 13154

Closed circulation systems,

7018, 10172, 11172, 12341

Cyprinus carpio 12352, 12353

Tilapia 6830

Coastal engineering,

13574

ANE, Germany, F.R., Eider estuary 7956

ANE, Germany, F.R., Spiekeroog Isl. 8011

ANE, Sylt Is. 8010

ANE, Wadden Sea 8057

INE, USA, California, Point Mugu 92

USA 4424

Coastal erosion,

ANW, USA, Massachusetts, Coateue Beach 9929

ANW, USA, North Carolina 9935

ANW, USA, South Carolina 5546

ASE, France 11417

ASW, USA, South Carolina 3792

ASW, USA, Texas 6748

INE, USA, Alaska 6594

USA coasts 12701

Macrophyta: ISW, India, Goa, Miramar 10957

Aerial photography: ANW, USA, North Carolina,

Pamlico Sound 1213

Resource management: ISW, India, Kerala 3358

Sedimentation: PSE, Hauraki Gulf 723

Coastal fisheries,

5654, 12320

ANE, Baltic 12425, 12499, 13807

ANE, North Sea 12499

ASE, Ghana 10043

ISE, Peru 3366

Japan 7782

USA 4530

USA coasts 4538

Posidonia oceanica: ASE, France 10118

Thunnus: ASW, Brazil 12412

Fishing mortality: *Oncorhynchus nerka*: INW, USSR,

Kamchatka 997

Coastal structures,

ASW, USA, Florida 9026

Coastal zone,

3690, 3788, 6778, 12291, 13422, 13492

ANW, USA 3769

ANW, USA, Massachusetts, Merrimack R. 9028

ANW, USA, North Carolina 10133

ANW, USA, North Carolina, Masonboro Inlet 9930

ANW, USA, Virginia, Delmarva Peninsula 9932

ANW, USA, Virginia, Wachapreague Inlet 9931

ASE, Togo 5770

ASW, USA, Florida 6776, 11148

INE, USA, Washington 5127

ISEW, Guam, Talofofo Bay 5133

USA 4568

USA, Massachusetts, Cambridge 4589

USA, Oregon 3661

Algae: ANE, USSR, Estonia 9741

Diatomae 7083

Marine pollution: ISE, USA, California 633

Zooplankton: ASE, Lebanon, Beirut 2001

Coasts,

11384

America, Michigan L. 10190

ANW, USA, Virginia 11138

Cobalt,

11429

INW, Japan, Urazoko Bay 6664

Coccolithus huxleyi 4350

Crangon crangon 6690

Cyprinus carpio 13676

Haliotis discus 6689

Cobalt-60,

Crangon vulgaris 10069

Cold storage,

5716, 5717, 6885

India, Cochín 12490

Philippines 13922

Octopus vulgaris: Brazil 3568

Panulirus: Brazil 3528

Pisces 2219, 2221, 12491

Rastrelliger kanagurta 13923

Sardinella longiceps 13923

Scomber japonicus 13906

Scomberomorus guttatus 13923

Xiphopenaeus kroyeri 12479

Degradation: *Pisces* 1062

Fish handling: ISW 3507

Fish meal 2224

Fishing vessels: *Pisces* 3532

Quality control: *Pisces* 3565

Transportation: *Clupea harengus* 3566

Trawlers 1061

Collecting devices,

5814, 7547, 7965

New Zealand, Rotorua L. 9090

Culicoides 9322

Decapoda 2299

Protozoa 12071

Collections,

Demospongia: INW, Japan, Shikoku, Anan 2572

Nematoda: ISEW, Great Barrier Reef 3862

Stomatopoda: ISE 2695

Collections (biological),

Cephalopoda: ASE, Sicily 10719

Parthenope expansus: ASE, Ionian Sea 10486

Colloidal clay,

3729

Colloids,

11337, 11342

Colorimetric techniques,

3745, 4622, 8709

Colour,

Alpheus splendidus: ISW, India 10483

Aulostomus maculatus 10834

Brachydanio rerio 5062

Brachyura 7871

Cambarus batchi: USA, Kentucky 8250

Cichlasoma nigrofasciatum 13189

Conidae 10438

Conus typhon: ISW, Mozambique, Ilha Chiloane 10436
Eubranchius: INW, Japan, Echizen, Ayukawa 10441
Euglena gracilis 9130
Gnorimosphaeroma 8620
Hyperolius viridiflavus: Africa, Kenya 8441
Lates mariae: Africa, Tanganyika L. 5038
Lethenteron meridionale: USA, Inland waters 11764
Littorina saxatilis 5318
Lysmata seticaudata 4970, 4998
Miamira sinuata: INW, Japan 2631
Pandaka trimaculata: INW, Japan, Okinawa Prefecture 9364
Paralithodes camtschatica 7870
Pelamis platurus: ISE, Costa Rica 8420
Plethodon jordani 8440
Pseudacris triseriata: USA, Colorado 8625
Salmo trutta 8826
Trapania maculata: ANE, British Isles, Dorset, Portland 11607

Commercial fisheries,

Resource development: ISW, India, Orissa 2229

Commercial fishing,

13531
 ANE, British Isles 9965
 ANE, Norwegian Basin 11727
 ANW, USA, Rhode Island 4441
 ASE, France, La Rochelle 7892
 British Isles 9966
 France, Lorient 8894
 Germany, F.R. 10089
 INE, USA, California 7847
 USA 4548
 USA, Michigan 4572
Anguilla anguilla: Germany, Fed.Rep., Moselle R. 12308
Lutjanus campechanus: ASW, Mexico Gulf 4481
Scombridae: ASW, Brazil 12324
Stolephorus: ISEW, Indonesia, Jakarta Bay 8562
 Resource development: Turkey 806
 Traps: PSE, New Zealand 2054
 Yield predictions: *Oncorhynchus*: INE, USA, Alaska 964

Commercial species,

ASE, Africa coasts 13484
 ASE, Alboran Sea 7840
 ASE, Balearic Sea 13858
 ASE, Canary Is. 13769
Algae: World Ocean 3478
Cetacea 13847
Cyprinidae: Czechoslovakia 12356
Elasmobranchii: ASE, Canary Is. 13539
Haliotis discus: INW, Japan 10450
Istiophorus platypterus: ASW, USA, Florida 11159
Pinnipedia 13847
Teleostei: ANE, Baltic 13263
Zosteracea: USA coasts 11457
 Chemical composition: *Algae*: ISE, Chile 801
 Chemical composition: *Algae*: PSW, Chile 801

Communication devices,

5797, 8956

Communities,

7568, 13372
 ASW, Mexico Gulf 7565
 ISW, Europa I. 5893
 ISW, Glorieuses Is. 5893
 ISW, Tanzania 7567
 ISW, Tromelin I. 5893
Angiospermae: Argentina, Santa Fe, R.Parana 6350
Fungi: ISW, Kuwait 4743
Invertebrata: USA, Virginia, New R. 3104
Macoma: ASE, Spain, Vigo 13365
Pisces 11024
Pisces: USA, Oklahoma, Kiamichi R. 13379
Seriola quinqueradiata: INW, Japan, Sendai Bay 10951
Tetractilia stalactifera: ISE, Panama, Paitilla 10941, 11001
Vaucheria: Germany, Dem.Rep., Harz 7086
 Freshwater ecology: *Pisces*: World tropical regions 2247
 Lagoons: *Algae*: ASE, Adriatic 3098

Community composition,

Invertebrata: ASE, Black Sea 12300

Community composition,

2876, 5406, 6387, 7588, 12108
 America, Michigan L. 6556
 ANE, Finland 4212
 ANW, USA, Delaware 4348
 ANW, USA, Massachusetts 3740, 7687, 7690, 7693, 7694
 ASE, Italy 2875
 ASE, Mediterranean 12101, 12591
 ASW, Curacao 6579
 ASW, USA, Florida 12107
 ASW, USA, Georgia 5518, 6677
 Australia, Western Australia, Kalgoorlie 7347
 British Isles, Blagdon L. 3142
 British Isles, Slapton Ley 3141
 Canada, Ontario, Inland waters 13376
 INE, USA 10953
 INE, USA, California 4087, 5375, 5376, 5489
 INW, Kuril Is. 5386
 ISE, Chile 6559
 ISE, Columbia 4231
 ISE, Tuamotu Is., Takapoto Atoll 12125
 ISE, USA 10953
 ISEW, Australia, Queensland, Moreton Bay 7564
 ISEW, Guam 13498
 ISW, Aqaba Gulf, Solar L. 12157
 ISW, Arabian Sea 7514
 ISW, India 4228
 ISW, Malagasy Rep., Grand Recif de Tulear 9737
 Netherlands, Tjeukemeer L. 13348
 Netherlands, Vechten L. 13348
 PSE, Australia, Sydney, Long Reef 6603
 Romania 4603
 Sardinia, Olbia 7569
 USA 6556
 USA, Michigan 7747
 USA, New York, Cayuga L. 8793
 USA, North Carolina, Pamlico Estuary 8651
 USA, West Virginia, Grant County 12088
 USA, Wisconsin, Inland waters 8632, 8633
 Venezuela, Andes 12115

- Alcarida*: ASE, Italy, Secche della Meloria 3956
Algae 12148
Algae: America, Erie L. 9707
Algae: ANE 13362
Algae: ANE, Finland, Ruissalo I. 9729
Algae: ANW, Narragansett Bay 5337
Algae: ASE, Adriatic 10927, 11464
Algae: ASE, Greece 11465
Algae: ASE, Messina Strait, Linosa Isl. 4218
Algae: ASW, Caribbean 12136
Algae: British Isles, Anglesey, Newborough Warren 8653
Algae: British Isles, England 9730
Algae: British Isles, Inland waters 9706
Algae: British Isles, Wales, Nant-y-Moch Reservoir 11873
Algae: INE, USA, California 5374
Algae: INE, USA, Washington 10955
Algae: INW, Japan 9747
Algae: INW, Japan, Honshu 9700
Algae: USA, West Virginia, Smith's Run 11456
Anthocidaris crassispina: INW, Japan 10959
Asteroides: ASW, Mexico Gulf 3859
Bacillariophyceae: ASE, Egypt, Arab Rep, Bardawil Lagoon 11467
Bacillariophyceae: ISE, Peru Current 5346
Bacillariophyta: ANW, Baffin I. 8095
Bacillariophyta: Iceland 5344
Bacteria: ANW, USA, Chesapeake Bay 8079
Bacteria: USA, Tennessee, Reelfoot L. 13333
Blastocladiaceae: Nigeria 10958
Calanoida: Sweden 6571
Chironomidae: Yugoslavia, Danube R. 3097
Chlorophyta: British Isles, England, Somerset 9115
Cnidaria: ASW, USA, Mississippi Sound 7531
Copepoda: ANE, Spain, Ria de Muros 13344
Copepoda: ASE, Adriatic 5484
Copepoda: ASE, Spain, Menor Sea 12076
Copepoda: INW, USSR, Sakhalin 9701
Crustacea: America, Michigan L. 4205
Crustacea: ANW, Canada, Iles-de-la-Madeleine 8649
Crustacea: Australia, Victoria, Corangamite L. 10983
Cyanophyceae: ISW, Egypt, Arab Rep., Ras Muhammad 11442
Cyanophyta: ASE, France, Thau Basin 11466
Cyclopoida: IS, North Equatorial Current 2932
Cyclopoida: ISEW, Sulu Sea 2932
Decapoda: ASW, USA, Florida 10467
Decapoda: ISW, Mascarene Is., Reunion I. 6844
Demospongia: ASE, Mediterranean 13377
Diatomaceae 6722
Diatomaceae: ANE, Baltic 9733
Diatomaceae: Czechoslovakia, Piestany Spa 10949
Diatomaceae: Finland, Lake District 8654
Diatomae 9801
Diatomae: PSE, Campbell I. 8094
Dinoflagellata: New Zealand, Taitai Mt. 13951
Echinodermata: ANW, Canada, Iles-de-la-Madeleine 8649
Echinometra mathaei: INW, Japan 10959
Echinostrephus aciculatus: INW, Japan 10959
Euphausiacea: ISW 6550
Foraminifera: ANW, Canada, Nova Scotia 12788
Fucus: ANE, Baltic 12109, 12110
Fungi: ISW, Kuwait 2470
Gastropoda 2626
Harpacticoida: ISW, Aqaba Gulf 11545
Hydroidea: ASE, Italy, Civitavecchia Harbour 12299
Hyperidae: ASE, Canary Is. 7388
Invertebrata 10936, 12142
Invertebrata: ANE, Baltic 9726
Invertebrata: ANE, Kiel Bight 9724
Invertebrata: ANW, Delaware Bay 4209
Invertebrata: ANW, USA, Raritan Bay 4206, 4221
Invertebrata: ASE, Black Sea 11543
Invertebrata: Eire, Inland waters 4215
Invertebrata: France, Opoul 10358
Invertebrata: India, Kerala, Vembanad L. 9731
Invertebrata: Poland, Masurian Lakeland 13392
Invertebrata: Poland, Mikolajskie L. 13364, 13394
Invertebrata: USA, Colorado, North St. Vrain Creek 8673
Lysianassidae: PNW, Barents Sea 5153
Macrocytis pyrifera 5384
Macrophyta: Africa, Rudolf L. 9742
Majidae: ISW 3090
Melampus bidentatus: USA, Delaware 9940
Mercenaria mercenaria: ANW, USA, South Carolina 11604
Mollusca 5552, 7774
Mollusca: ANE, British Isles, Liverpool Bay 11594
Mollusca: ANW, Canada, Iles-de-la-Madeleine 8649
Mollusca: ASE, Sicily, Acitrezza 11600
Mollusca: ASE, Taranto Gulf 8642
Mollusca: British Isles, Suffolk, Icklingham 12514
Mollusca: Canada, Quebec, Gatineau Park 5362
Mollusca: Guatemala, Lago De Peten 12112
Mollusca: Hungary 5408
Mollusca: INW, Japan, Mutsu Bay 10425
Mollusca: ISE, French Polynesia 5382
Mollusca: USA, Louisiana, Maurepas L. 4090
Mollusca: USA, Louisiana, Pontchartrain L. 4090
Nematoda: ANE, Germany F.R. 4169
Parapontellidae: ASE, Mediterranean 11887
Pisces 8647
Pisces: Africa, Rudolf L. 9742
Pisces: America, Erie L. 10039
Pisces: ANE, Eire, Galway Bay 6562
Pisces: ANW, Canada, Iles-de-la-Madeleine 8649
Pisces: ANW, Northumberland Strait 12111
Pisces: ANW, USA, South Carolina 12941
Pisces: ASW, USA, Florida Middle Ground Reef 10566
Pisces: Canada, Ontario, Quetico 9369
Pisces: Czechoslovakia, Rokytna R. 3029
Pisces: INE, USA, California 7727, 11726
Pisces: INE, USA, California, Point Loma 7676
Pisces: INW, Japan, Sendai Bay 10951
Pisces: INW, Kuril Is. 10950
Pisces: ISE, Columbia, Malpelo Isl. 2751
Pisces: ISEW 12104
Pisces: ISEW, Great Barrier Reef 7554
Pisces: ISEW, Guam 3100
Pisces: USA, New Jersey, Barnegat R. 4479

- Pisces*: USA, New York, Oneida L. 7495
Pisces Invertebrata: ASW, USA, Florida, Apalachicola Bay 11895
Pocillopora damicornis: ISE, Panama 10948
Polychaeta: ASW, USA, Florida, Old Tampa Bay 4400
Pontellidae: ASE, Mediterranean 11887
Ruppia: France, Camargue 7558
Sargassum confusum: INW, Japan 4229
Teleostei: ISEW, Marshall Is., Eniwetok Atoll 11733
Tintinnida: PNW, Kara Sea 9196
Tisbe: ASE, Venice Lagoon 11656
Uca minax: USA, Delaware 9940
Zoomastigophora: USSR, Baikal L. 9765
Zostera: ANE, Wadden Sea 7563
Zostera marina: ANE, Finland, Tvarminne 9740
Zostera marina: ANW, USA, North Carolina, Newport R. 9743
Check lists: Gambier Isl. 2871
Environmental effects: *Pisces* 488
3102
Freshwater ecology: *Pisces Cyprinidae*: Ghana, Bosumtwi L. 484
Geographical distribution: *Thaliacea*: ASE, Mediterranean 1656
Geographical distribution: *Thaliacea*: ISW, Red Sea 1656
Intertidal environment: ANE, British Isles, Essex 461
Lakes: Norway 463
Marshes: Norway 463
New records: *Algae*: ANW, USA, North Carolina 1620
Pollution effects: ASE, France, Marseille 3082
Seasonal variations: *Algae*: ANE, Baltic, Puck Bay 3067
Sublittoral zone: ANE, British Isles, Pembroke 462
- Competition,**
13403
ISE, Marquesas Is. 6596
Algae 11004
Asellus 4241
Biomphalaria: Brazil 5304
Crenobia alpina: British Isles, Wales, Inland waters 12145
Diaptomus 12138
Foraminifera 7453
Insecta: USA, Colorado, Cement Creek 8670
Notropis: USA, Wisconsin, Roxbury Creek 12141
Patella: PSW, South Africa 13396
Pisces: New Zealand, Glentui R. 7441
Polycelis felina: British Isles, Wales, Inland waters 12145
Tisbe clodiensis 9676
- Competitive behaviour,**
Anthopleura elegantissima 13191
Asellus 4242
Clibanarius vittatus: ANW, USA, North Carolina, Beaufort 2952
Collisella pelta: INE, USA, California 8523
Littorina littorea: ANW, USA, Connecticut 7606
Nassarius obsoletus: ANW, USA, Connecticut 7606
Pacifastacus leniusculus: USSR, Inland waters 12139
Pagurus longicarpus: ANW, USA, North Carolina, Beaufort 2952
- Panulirus longipes* 10761
Poecilota reticulata 10755
Pomacentrus: ISEW, Guam, Tumon Bay 10765
- Computer applications,**
3056, 5869, 6925, 6917, 6919, 6926, 7917, 9712, 11297, 11304, 12181, 12508
Hawaii 4415
- Computer programmes,**
4501, 5869, 6925, 9910, 11042, 11276, 11384, 12080, 12507, 13940, 13941, 13942
Fisheries data: *Scombridae* 3460
- Computer systems,**
5758
- Condition factor,**
Centrarchidae: USA, South Carolina 8750
Chondrus crispus: ANW, USA, Massachusetts 9668
Esox lucius: Sweden, Marmen L. 9873
Gadidae 12429
Katsuwonus pelamis 13315
Labeo calbasu: India, Loni Reservoir 13223
Rhabdosargus holubi 394
Rutilus rutilus: Finland, Kiutajaervi L. 10889
Siganus 12488
Tapes decussatus: ASE, Spain, Santander Bay 13232
Thyrsitis atun: PSW, South Africa 4506
- Conferences,**
4609, 5562, 7937, 9937, 11290, 11431
Austria, Vienna 2346, 10125
Bahamas, Hamilton 6950
Belgium, Brussels 12161
British Isles, Bangor 8934
British Isles, Liverpool 12522
British Isles, London 3162, 4607, 8931
British Isles, Oban 8933
British Isles, Scotland 12509
British Isles, Scotland, Ayr 12555
British Isles, Scotland, Edinburgh 3656
Canada, Alberta, Calgary 12539
Canada, Ontario, Burlington 13963
Denmark, Charlottenlund 2290
Finland, Helsinki 8935
Finland, Otaniemi 5778
France, Marseille 4608
France, Paris 13305
Germany, F.R., Berlin 11289
Ghana, Accra 10053
India, Madras 11291
Italy, Livorno 3657
Italy, Rome 5780, 11118, 12551, 13492
Italy, Venice 10128
Jamaica, Kingston 3655
Japan, Tokyo 8932
Kenya, Molo 8930
Malta, Msida 3655
Mascarene Is., Reunion I. 5777
Monaco 2281
Netherlands 4528
Netherlands, Bilthoven 4611
Nigeria, Ife-Ife 8990
Norway, Bergen 3202, 3459, 3659

Philippines, Legaspi City 12550
 Philippines, Manila 12504
 Portugal, Sesimbra 2293, 4610
 South Africa, Stellenbosch 10129
 Spain, Barcelona 10124
 Spain, Valencia 6953
 Sweden, Lysekil 11066
 Switzerland, Geneva 2291, 2295, 5730
 Thailand, Bangkok 12548
 Turkey 7611
 USA, California, Menlo Park 12539
 USA, California, Monterey 3772
 USA, California, San Diego 5779
 USA, Florida, Miami 3658
 USA, Florida, Miami Beach 3660
 USA, Maine, Augusta 10127
 USA, Mississippi, Biloxi 12357
 USA, New York 5730
 USA, New York, Montauk 4425
 USA, Oregon, Portland 3661
 USA, Washington, Pullman 1106
 USSR, Leningrad 3654
 Venezuela, Caracas 5730, 12549
 World ocean 5753
Algae: British Isles, Bangor 12554
Anguilla anguilla: Denmark, Charlottenlund 12553
Clupea harengus: Netherlands, Ijmuiden 3430
Crustacea: London 12556
Diatomae 6954, 7094
Mammalia: Norway, Bergen 12540, 12552
Mollusca: London 12556
Nephrops: Denmark, Charlottenlund 10051
Penaeidae: Australia coasts 4606
Pinnipedia: IN 1092
Plecoglossus altivelis: Japan 1487
Salmo salar: USA, Massachusetts, Boston 6951
Scombridae: Hawaii, Honolulu 11238
 Artificial feeding: *Ictalurus nebulosus* 906
 Boats 27
 Degradation 790
 Fish meal 1104
 Fisheries: ANW 2258, 2259, 2260
 Fisheries: Canada, Nova Scotia, Halifax 2260
 Fisheries: Canada, Ontario, Toronto 2258
 Fisheries: Italy, Rome 2259
 Fishery products: Japan, Tokyo 2282
 Fishery surveys: British Isles, Scotland, Aviemore 28
 Genetics: *Mollusca* 29
 1109
 International organizations: Canada, Ontario,
 Toronto 2258
 Malacology 180
 Marine environment: Hong Kong 1105
 Marine environment: Yugoslavia, Split 2283
 Oceanographic data: Italy, Rome 2289
 Oceanography 1110
 Pest control 790
 Pollution effects 494
 Red tides: USA 30
 Red tides: *Gymnodinium breve*: ASW, USA, Florida 33
 Sea law: Venezuela, Caracas 1107

2238
 Upwelling: Ecuador, Guayaquil 2292

Conservation,

6775, 7932, 12291
 ASE, Adriatic 12298
 ASE, Black Sea 7573
 Canada 8898
 Canada, Inland waters 8796
 Czechoslovakia 8808
 Tasmania, Lagoon of Islands 8806
 USSR 12502
 USSR, Ukraine 7573
Astacus astacus: Netherlands, Inland waters 4249
Cetacea 6781, 12297, 13849
Chelonidae: ISW 2041
Crocodylus niloticus: Rhodesia 6780
Crocodylus palustris: India, Sayaji Sarovar L. 3360
Dermochelys: ISEW, Malaysia 11152
Etheostoma squamiceps: USA, Indiana, Posey
 County 9350
 Invertebrata 8807
Lipotes vexillifer: China, People's Rep., Tung Ting
 L. 13518
Mammalia 13848
Monachus monachus: ASE 13072
Myricaria: Germany, Fed. Rep., Rhine R. 2870
Percina pantherina: USA, Arkansas, Cossatot R. 3348
Phoca vitulina: ANW 13074
Physeter catodon 13885, 13886
Pinnipedia 13066
Pisces: USA, Kansas 3361
Platanista gangetica: India 13131, 13836
Platanista gangetica: India, Indus R. 9674
Platanista indi: Pakistan 13131
Salmo gairdneri: USA, North Carolina, Inland
 waters 13703
Salmo salar: USA, Connecticut, Connecticut R. 7821
Sirenia: Australia, Inland waters 8610
Triturus cristatus: British Isles 8418
Zalophus californianus 13843
 Population control: *Culicidae*: USA 2031

Conservation of natural resources, 6779

ANW, USA, New York Bight 6750
Anatidae 9960
Chelonia mydas: ISW 6349
Salmonidae 9960

Continental drift,

3797, 3798, 6419
 A, Mid-Atlantic Ridge 2436
 African Plate 2412
 ASE, Crete 4705
 ASW 3807
 Eurasian Plate 2412
 INW, Japan Sea 2427
Conodontophyta chattanoogae: World Tectonic
 Plates 5769
Cypraeidae: World zoogeographic regions 10712
Fungi: World Tectonic Plates 5769

Continental shelf,

- 12503, 12631, 12680
 ANW, Massachusetts Bay 12706
 ANW, USA, New York 12705
 ASE, France, Roussillon 4717
 ASE, Mediterranean, Roussillon Shelf 7024
 ASE, Spain, Finistere 7022
 ASW, Brazil 8032
 ASW, Cuba 11421
 ASW, USA, Georgia 8031
 INE, Canada, British Columbia 8910
 PNE, Canada 10223
 PNE, USA, Alaska 10223
 World Ocean 10235
Algae: ANW, USA, North Carolina, Onslow Bay 5980
Foraminifera: ASW, Venezuela 13366
Mesocletodes: ASE, Lyon Gulf 4972
 Oil spills: ANW, USA, Baltimore Canyon Trough 657

Continental slope,

- AN 11403
 ASW, Cuba 11421
 INE, California, California Undercurrent 11380
Pisces: ANE, Norwegian Basin 11727
Pisces: ASE 11748, 11749
Pisces: PSW 11749

Continental study,

- INE, USA, Washington 10230

Control,

- Culicidae* 6774, 12290
Culicidae: Canada, Quebec, Trois Rivières 7766

Controlled conditions,

- 5785, 5786, 8672, 10221
Acartia tonsa 13456
Carassius auratus 10759
Cyanea capillata 9593
Mercenaria mercenaria 6472
Pagurus ochotensis 10771
Panulirus longipes cygnus 13212
Penaeus japonicus 6158
Periophthalmus cantonensis: INW, Japan, Ariake Sound 11907
Physa gyrina 10827
Pisces 13458
Pseudopleuronectes americanus 12937
Salmo salar 10853
Zosteraceae: ASW, USA, Texas, Redfish Bay 11496
 Aquatic communities 1252
 Bioaccumulation 3296
 Diffusion 1945
 Ecosystems 2877
 Plankton 2878
 Pollution effects 3260
 Zooplankton 3262, 3264

Cooperatives,

- ANW, USA 4533
 Hong Kong 13936
 USSR 5560

Copper,

- 2376, 6795, 11041, 11065
 ANE, Netherlands, Wadden Sea 10175

- ASW, USA, Florida 9845
 Denmark, inland waters 12128
Algae 7638
Bacteria 3279, 7638
Ciliata 7638
Daphnia 13459
Echinometra mathaei 11096
Isopoda 9869
Nereis diversicolor 7170
Noemacheilus barbatulus 12261
Phasganophora capitata 13488
Pimephales promelas 6724
Rotifera 7638
Salmo gairdneri 13471
Scenedesmus 10341
Skeletonema costatum 11527
Venerupis decussata 5495
 Atomic absorption spectroscopy 1949
 Controlled conditions 1949
 Photosynthesis 3267
 Phytoplankton 3260, 3265
 Pollution effects 3261, 3272
 Population dynamics 3265
 Production (biological) 3272
 Toxicity 3263, 3272
 Zooplankton 3261, 3262, 3263, 3264

Coral reefs,

- 7557, 7931, 10946, 12050, 13374
 ASE, Ghana, Tema 5371
 ASW, Bahama Is. 5373
 ASW, Bahama Isl., Great Abaco 4222
 ASW, Caicos Isl., South Caicos 4222
 ASW, Curacao 6579
 ASW, Grand Cayman 13375
 ASW, Jamaica 9738
 ASW, Mexico Gulf 10945
 ASW, Netherlands Antilles 13373
 ASW, Netherlands Antilles, Curacao 7559
 ASW, Panama 7560
 ASW, US Virgin Is., St. Croix 8645
 INE, USA, California 11725
 ISE, Marquesas Is. 6596
 ISE, Panama, Chiriqui Gulf 10947
 ISE, Society Is. 7583
 ISEW 9736
 ISEW, Ellice Isl. 8033
 ISEW, Guam 12103, 13499
 ISEW, Marshall Isl., Eniwetok 4222
 ISW 12529
 ISW, India 9076, 9077
 ISW, Israel 6605
 ISW, Mascarene Is. 6577
 ISW, Mauritius 8648
 ISW, Red Sea 12529
Acanthaster 7555
Acanthaster planci 10268, 10779
Acropora pulchra 8647
Anthozoa 7551
Apogonidae: ISW, Madagascar, Tulear 12152
Avicennia marina: ISW, Egypt, Arab. Rep. 12156
Bivalvia: ISW, India 4429

- Chelonidae* 7556
Condylactis gigantea: ASW, West Indies 12137
Corallovexia: ASW, Curacao 2660
Decapoda: ISE, Panama 10948
Decapoda: ISW, Sri Lanka 4224
Dendrodoris warta: ASW, USA, Florida, Treasure I. 11619
Echinodermata: IS 7553
Invertebrata 7551
Jenkinsia: ASW, Grand Cayman 2742
Linckia: ISEW, Guam 11560
Madracis mirabilis 8772
Mollusca: ISE, French Polynesia 5382
Mollusca: ISW, Mauritius 6578
Montastrea annularis: ASW, Jamaica 7429
Pagurapseudidae: ISW 11668
Pisces 7551, 8647
Pisces: ASW, USA, Louisiana 8646
Pisces: ISEW, Great Barrier Reef 7554
Pisces: ISW, Malagasy Rep. 4223
Pomacentrus: ISEW, Guam, Tumon Bay 10765
Pontoniinae: IS, Indo-West Pacific 7552
Porites: ISEW, Guam, Piti Bay 13502
Psammocora 10947
Teleostei: ISEW, Marshall Is., Eniwetok Atoll 11733
Cells: Pocillopora damicornis 163
Community composition 3095, 7550
Community composition: ISE, Cook Is. 460
Competitive behaviour 3095
Coring,
2430, 5844, 6396, 12469, 13881
ANE 5906
ASW, Bermuda 12699
British Isles, Northern Ireland, Lough Neagh 4708
I, Pacific 11410
PSW, Argentine Basin 7368
World oceans 5919
Clupea harengus 8877
Gadidae 5688
Gadus morhua 5691, 8878
Gastropoda: ASW, Venezuela 6933
Merluccius bilinearis 3523
Merluccius gayi peruanus 12481
Octopus vulgaris: Brazil 3568
Penaeidae 5713
Pisces 10070
Pisces: Ghana, Volta L. 6888
Sardina pilchardus: France 5682
Sardinella aurita 5696
Scomber scombrus 8877
Tilapia: Ghana, Volta L. 3526
Fishery products: Mexico, Yucatan 3524
Coriolis force,
3751, 10188
ANE, British Isles, Tay R. 7999
British Isles, Tay R. 7999
World ocean 8008
Correlation analysis,
12083, 12191
Germany, D.R., Saale R. 10918
Angiospermae: ANW, USA, Virginia 8092
Bacteria: ANE, British Isles, Scotland, Tay Basin 13411
Clupea pilchardus: ASE, Adriatic 6870
Copepoda: ASE 7526
Corbicula manilensis 4906
Gasterosteus aculeatus: Canada, Queen Charlotte Is. 10906
Heteropneustes fossilis 9429
Homo sapiens: Papua New Guinea, Wogupmeri R. 10873
Mytilidae 12874
Nephrops norvegicus: ASE, Yugoslavia 6853
Ophicephalus striatus 8330
Pisces: ISEW 12104
Spartina alterniflora: ANW, USA, Connecticut, Long Island Sound 12117
Tetrapoda: USA, Texas 10668
Triturus vulgaris 10670
Corrosion,
5554, 8943, 13544
Corrosion control,
6772, 6816, 8943, 8945, 8946, 13544
Cost analysis,
USA, Ohio, Columbus 7065
Preservation (fishery products) 3511
Counters,
5939, 9088
Algae 4204
Bacteria 2449, 2453, 8696
Protozoa 6398
Measuring devices: *Ciliata* 2447
Methodology: *Bacteria* 1254
Courtship,
Carassius auratus 10754
Eu metopias jubatus 8540
Notropis analostanus 5205
Simochromis diagramma 2951
Reproductive behaviour: *Poeciliopsis occidentalis* 366
Crabs,
Staphylococcus aureus 8882
Commercial species: ISW, India, Goa 3379
Shellfish fisheries 7897
Crayfishes,
3968
Check lists: *Astacidae*: North America 222
Check lists: *Cambaridae*: North America 222
Cruises,
6955
A, Mid-Atlantic Ridge 11408
ANE 9049
ANE, British Isles 8995, 11294, 11295
ANE, British Isles, Lyme Bay 11293
ANW, St. Lawrence Gulf 12619
ANW, St. Lawrence Gulf, Magdalen Shallows 12605
AS 8936
ASE, Aegean Is., Rhodes 10470
ASE, Balearic Is. 12580
ASE, Mediterranean 8937
ASE, Morocco 12579
INW 10130

- ISE, Peru-Chile Trench 12808
 ISEW 10130
 ISEW, Great Barrier Reef 10366
 ISW 6982, 11292
 ISW, Arabian Sea 4655
 PN, Arctic 4636, 11314
 PS, Antarctic Ocean 9547
 PSW 10036
 Biological collections: ISW 2773, 2774
 Marine ecology: AS 2297
 Oceanographic data: *Isopoda*: AN 1436
 Physical oceanography: AS 2297
 Plankton: ASE, Genes Gulf 1869
 Research programmes: ASE, Biscay Bay 2300
 Research programmes: PS, Antarctica 1113
- Culture media,**
 7638
Aeromonas 5950
Bacteria 5493
Bacteria: ASE, Mediterranean, Gulf of Fos 8736
Brachionus plicatilis 13612
Cladophora glomerata 88a *America*, *Erie L.* 13238
Euglena gracilis 10812
Glenodinium: INW, Japan, Nagasaki harbour 7446
Klebsiella pneumoniae: USA, Georgia, Clarke County 4740
Prasinophyceae 4791
Rhodotorula glutinis 10823, 10824
Salmonella: ANE, British Isles, Scotland, Tay Basin 13411
Scenedesmus obliquus 7126, 7127, 7128
Tetrahymena pyriformis 8160, 11584
Trichodesmium: World Oceans 5965
Vibrio 5950
 Oils 5953
- Culture tanks,**
 6817
 Rearing: *Cyprinus carpio* 2098
 Rearing: *Salmo gairdneri* 2098
- Cultures,**
 6814, 11957, 13220
Algae 5321, 7440, 10920, 11087, 11195, 13749
Aplocheilus latipes 5942
Artemia 13736
Artemia salina 13588, 13735
Azotobacter agilis: Poland, Olawa R. 2485
Bacteria 5266
Brachionus plicatilis 13611
Chaetophoraceae 8105
Chlamydomonas coccoides 10021
Chlorella 10328, 11516
Chlorella kessleri 4468
Chlorella pyrenoidosa 8125, 11534
Chlorella vulgaris 3851, 11864, 12779
Colpidium campylum 5254, 8557
Conopeum tenuissimum: ANE, Chesapeake Bay 9627
Copepoda 4180
Coscinodiscus eccentricus 9161
Cymnodinium splendens 11196
Diatomae 7083
Dunaliella tertiolecta 10021
- Edwardsiella tarda* 13280
Gigartina acicularis 9133
Invertebrata 4466
Iridaea cordata 13221
Monochrysis lutheri 11959, 12390
Mononchus aquaticus 12786
Monotosporella tuberculata: Hungary 9105
Myxosoma cerebri 13301
Nannochloris 10021
Navicula ostrearia 7833
Peridinium bipes 6490
Petrocelis middendorffii: USA, Alaska 9142
Petrocelis middendorffii: USA, California 9142
Petroderma maculiforme 9572
Phaeodactylum 13736
Prorocentrum micans 11196
Rhodophysemma elegans 10291
Scenedesmus acutus 13480
Scenedesmus protuberans 9607
Scenedesmus quadricauda: Netherlands, Tjeukemeer 12758
Skeletonema costatum 5409
Stichococcus bacillaris 11535
Stylonychia mytilus 4179
Tetraselmis 13736
Tetraselmis tetrathele 10021
Thalassiosira 7091
Thalassiosira pseudonana: INE 10919
Tilapia 13736
Tubifex tubifex 2990
Zalerion maritimum 10800
 Blood cells: *Anguilla japonica* 1261
 Cilia: *Vibrio alginolyticus* 1282
 Controlled conditions: *Tetraselmis suecica* 7838
 Hosts: *Fossaria bulimoides* 114
- Cured products,**
 13881
Clostridium perfringens 13920
Pisces 10070
Psuedosciaera manchurica 2194
Scomber japonicus 13906
Tilapia: Ghana, Volta L. 11264
 Quality control 3559
- Curing,**
Cynoglossus dubis 4519
Rastrelliger kanagurta 4519
Tachisurus dussumeri 4519
- Current measurements,**
 3245, 6972, 6975
 A, Atlantic 11386
 ANE, British Isles, Suffolk 12561
 ANE, Irish Sea 4684
 ANE, North Sea 4684
 ANE, Norwegian coastal current 12668
 ANW, USA, Massachusetts 7657, 9032
 AS, South Equatorial Current 11385
 INE, Canada, Vancouver I. 12670
 INE, USA, California 75
 INE, USA, Oregon 6969
 ISEW, Caroline Is. 13500, 13505
 ISEW, Guam 12274

SEW, Marshall Is. 13503, 13504
 SEW, Palau Is. 13506
 SEW, Truk Is., Moen 13501
 SW 11292
 PNW, Lomonosov Current 11385
 Deep currents: ANW, Gulf Stream 49
 Deep currents: ASW, Florida Current 49
 Mathematical models: INE, USA, California 569
 Oceanographic data: ASW, USA, Florida shelf 2396
 Salinity: ISW, South Equatorial current 1181

Current meters,
 4684, 6972, 6975, 8971, 8972, 8973, 10146
 NW, Korea Rep. 5890
 Methodology 1118
 Sedimentation 1117

Currents,
 2387, 3752, 3758, 3762, 10096, 10188, 12108, 12594,
 12600, 12626, 12649, 12650, 12662, 12672
 America, Ontario L. 12588, 12628, 12633
 America, Superior L. 12629
 ANE, Baltic 9045
 ANE, Baltic, Fehmarnbelt 12677
 ANE, Baltic, Luebeck Bay 10137
 ANE, Denmark 9061
 ANE, Hanoe Bight 13782
 ANE, North Sea 7011
 ANW 9067
 ANW, Canada 2343
 ANW, Canada, Newfoundland 2378, 2398
 ANW, Canada, Newfoundland Ridge 2397
 ANW, St. Lawrence Gulf, Magdalen Shallows 12605
 ASE, France, Villeneuve Bay 11420
 ASE, Mediterranean, Lebanon 12700
 ASE, Spain, Finistere 7022
 ASW, Atlantic 7995, 7996
 ASW, Brazil 3753, 7994
 ASW, Caribbean 3754, 12638, 12659
 ASW, Colombia 4709
 ASW, Mexico Gulf 10186
 ASW, Sargasso Sea 3763
 ASW, USA, Alabama, Mobile Bay 9922
 ASW, USA, Louisiana 12666
 ASW, Yucatan Channel 7997
 ASW, Yucatan Current 12638
 Germany, F.R., Weser R. 8003
 IN, North Pacific Ocean 12632
 INE, Bering Sea 7016
 INE, California, California Undercurrent 11380
 INE, Howe Sound 2326, 2327, 2328, 2329
 INE, USA, Oregon 6969, 12654
 INW 4650
 INW, Korea Rep., Korean Peninsula 2390
 INW, Kuroshio Current 9038
 IS, North Equatorial Current 12635
 IS, Pacific 2385
 IS, Pacific, Cromwell Current 2384
 IS, Pacific, South Equatorial Current 2384
 ISE 2385
 ISE, Hawaii 3784
 ISE, Peru 2323
 ISEW, Java 7053

ISW, Australia 13169
 PN 12544
 PSE, Kerguelen Isl. 9003
 PSE, Southern Ocean 9035
 PSW, Falkland Is. 7368
 USA, New York, Buffalo R. 13416
 Algae: INW, Japan, Choshi 10286
Brevoortia tyrannus 9864
Chaoborus: Africa, Mwenda R. 8521
Eunicella cavolinii: ASE, Mediterranean 7140
Sardinella brasiliensis: ASW, Brazil 8361
 Eddies: ASW, USA, Florida 1186
 Hydrodynamics: World Oceans 77
 Reviews: World Oceans 77
 Vertical distribution: 861 + 862-881 1191
 Winds: AS, Equatorial Counter Current 91
 Winds: IS, Pacific, Cromwell Current 91
 Winds: PNW, Lomonosov Current 91

Cycles,
 Italy, Luno Lagoon 11367
Carcinus maenas 6168

Cytochemistry,
Decapoda 4989

Cytology,
Acetabularia mediterranea 7110, 8113
Acipenseridae 12986
 Algae 5938
Amoeba proteus 12814
Anabaena ambigua 8107
Antedon bifida 6030
Argulus foliaceus 2721
Asterina pectinifera 11585
Boergesenia foresti: ISW, India 1305
Brachycera 8319
Callinectes sapidus: ANW, USA, Virginia, Chincoteague Bay 12003
Catostomus commersoni 5023
Channa punctatus 13002
Chimaera monstrosa 5042
Chondrus crispus 10314
Cyprinus carpio 2765, 5253
Diastylis rathkei 12911
Didymium iridis 10275
Dileptus vissscheri 6068
Dinoflagellata 4795
Dinophyceae 10313
Discoglossus pictus pictus 13083
Dugesia dorotocephala 11580
Eudorina elegans 12767
Euglena gracilis 7159, 11528
Fucus vesiculosus 11490
Fundulus heteroclitus 12993
Hamigera hamigera 8145
Heteropneustes fossilis 5075
Latimeria chalumnae 5024, 6209
Limanda limanda 8327
Lymnaea palustris 13284
Mercenaria mercenaria 10464
Micrasterias americana 8108, 8127
Micrasterias denticulata 11489
Mytilus edulis 6108

- Myxophyceae* 2490
Nassula 7139
Nectophrynoides occidentalis 9493
Opisthobranchia 8199
Oryzias latipes 11780, 12990
Palaemon serratus 11683
Pisces 11826
Pisces: India, Inland waters 4020
Pleuronectes platessa 8327
Poecilia latipinna 2764
Pogonophora 3899
Protosiphon botryoides 4794
Pseudemys scripta 10700, 10701
Rana 8425
Rana esculenta 13096
Rana temporaria 6384, 9387
Salmo salar 8326, 9359
Sargassum filipendula 7118
Scenedesmus obtusiusculus 8535
Scyliorhinus canicula 5022
Scytosiphonaceae: INW, Japan, Hokkaido, Muroan 10324
Sphaeroidea 10388
Stentor coeruleus 6053
Suberites domuncula 6049
Suberites massa: ASE, France, Thau 4836
Symphodus melops 2761
Teleostei 6195, 9432
Tetrahymena 6067
Tetrahymena pyriformis 5235
Trionyx sinensis 13098
Triturus cristatus 10687
Urechis caupo 6052
Xenopus laevis 11854
Zonaria 4125
 Biochemistry: *Amphora coffaeiformis* 1331
 Chromosomes: *Ulva fasciata* 2515
 Growth: *Algae* 2535
 Regeneration: *Hydra* 2585
 Reproduction: *Algae* 2522
 Ultrastructure: *Diplozoa* 2564
- Dams,**
 2387, 5390, 7749, 13125
 ANE, Bristol Channel, Severn Estuary 10189, 10201, 10209, 11007, 11129, 11130, 11131, 11132, 11133, 11134
 ANE, Germany, F.R., Eider estuary 7746
 ANE, Netherlands 3345
 ANW, Canada, Nova Scotia, Canso Strait 8792
 ASE, France, Villeneuve Bay 11418
 Canada, Ontario, Trent R. 8906
 Czechoslovakia, Danube R. 11142
 Germany, Fed.Rep., Hessen, Eder L. 12309
 Surinam 5536
Aves: ANE, Bristol Channel, Severn Estuary 11131
 Computer applications: USA 2023
 Environmental effects: *Chironomidae*: Yugoslavia, Djerdap Reservoir 3341
 Hydrology 106
 Water analysis (chemical): Germany, F.R., Schleswig-Holstein, Eider R. 1144
 Water quality: USA 2023
- Data,**
 12507
 Fishery industry 24
- Data acquisition,**
 2318, 2320, 8977, 9988, 11296, 11297, 12613
 USA, Oregon, Willamette R. basin 3703
Thunnus: ASE 13803
- Data analysis,**
 11296
- Data acquisition,**
 4483
- Data collections,**
 6928
 ANE, North Sea 7011
 ANW, Chesapeake Bay 5782
Scombridae: A, Atlantic 3427
- Data processing,**
 2317, 8974, 8976, 11276, 11297, 12508, 12613
 USA 8955
 Fisheries data: Ivery coast, Kossou L. 970
 2298
 Precipitations (atmospheric): Belgium 1220
- Data retrieval,**
 6920
- Data storage,**
 11297
- DDT,**
 8720
 ANE, North Sea 7661
 ANE, Norwegian Depression 7661
 ASE 3278
 INE, USA, California 7674
Chrysemys scripta: USA, Tennessee, Reelfoot L. 13446
Cylindrospermum 5471
Gadus morhua 13454
Mucor alternans 3237, 9848
Mytilus: ASE 3278
Mytilus galloprovincialis: ASE, Mediterranean 9893
Pisces: Sudan, Wad Medani, Gezira 12251
Rana temporaria 3286, 11070
Salmo gairdneri 13470
Salvelinus fontinalis 11028
Uca 12234
 Air pollution: INE, USA, California 564
 Harbours: INE, USA, California 565
 PCB: INE, USA, California 492
 PCB: *Microstomus pacificus*: INE, USA, California 600
 PCB: *Mytilus californianus*: INE, USA, California 601
 Pollution monitoring: *Mytilus californianus*: INE, USA, California 510
- Deck equipment,**
 6810, 8822
- Decomposition,**
Spartina cynosuroides 7123
- Deep currents,**
 12631
 ANE, Baltic, Bornholm Strait 8000
 ANE, North Sea 7017
 ANE, Reykjanes Ridge 10228

- NW, Gulf Stream 7013
 NW, USA, Maryland, Chesapeake Bay 11280
 NW, USA, New York, Long Island Sound 11382
 S, Atlantic Equatorial Undercurrent 7021
 NE, USA, Washington 10230
 S, Pacific, South Equatorial Current 2384
 SE 2352
 SW, Bengal Bay 12658
 NW, Greenland Sea 10215
- Deep scattering layers,**
 Africa, Rudolf L. 10028
 ASE, Canary Is. 6440
Euphausiidae: ANW, St. Lawrence Gulf 11214
- Degradation,**
 5471, 5963, 6746, 7622, 7623, 8050, 8675, 8734, 9832
 ANE, British Isles, Southampton Water 3347
Algae 5419
Bacillus megaterium 10460
Bacteria 5419, 8719
Bacteria: INW, Japan, Tokyo Bay 6633
Chionoecetes opilio 6883
Euthynnus 13897
Salvelinus fontinalis 11028
Stichopus badionotus 12833
 Muscular system: *Mollusca* 2200
 Muscular system: *Pisces* 2200
- Deltas,**
 ANE, Netherlands 3345
 ANW, USA, Georgia 9934
 ANW, USA, Massachusetts, Chatham Harbor
 Estuary 9933
 ANW, USA, Massachusetts, Merrimack R. 9028
 ANW, USA, North Carolina 9935
 ASW, USA, Florida, East Pass 9023
 Canada, Alberta, Upper Waterfowl Lake 8016
 South West Africa, Swakop R. 8039
 USSR, Inland waters 11398
- Demersal fisheries,**
 ANE, British Isles, Cornwall 12403
 ASE, Balearic Isl. 13815
 ASE, Tyrrhenian Sea 4442
 ASW, Brazil, Rio Grande do Sul 11210
 IN, Bering Sea 12428
 INE, USA, California 7727
 INE, USA, California, Santa Monica Bay 7728
 INW, Yellow Sea 3458
 ISEW, East China Sea 3458
 ISW, India, Gujarat 4491
 PSE, Bass Strait 3374
 PSW, South West Africa 11227
 PSW, Southern African Coast 11239
Abra alba: ANE, Baltic 9783
Panulirus: ASW, Brazil, Ceara 3457
Pisces: ANW, St. Lawrence Gulf 8846
Pisces: World oceans 8897
 Fishing mortality: *Nemipterus japonicus*: ISEW 2154
 Stock assessment: Africa, Malawi, L. 933
- Dessication,**
Batillaria minima 2653
Biophalaris 12284
- Bivalvia* 10750
Drepanotrema 12284
Eupera 12284
Euthynnus pelamis 3534
Haliclona loosanoffi 3920
Lepidobatrachus llanensis 8419
Merluccius gayi peruanus 12481
Parapenaeopsis stylifera 13909
Patella: PSW, South Africa, Cape Province 5191
Pleisiothys 12284
Rana nigromaculata 9464
 Resting spores: *Anabaena cylindrica* 2519
- Detergents,**
 3191, 3221, 5510, 6684, 6913, 7660, 8692, 8768, 9757
 ANE, Poland, Gdansk Bay 9860
 ASE, Sicily 11099
 Germany, F.R. 4427
 Poland, Dead Vistula R. 9860
 USA, Maryland, Patuxent R. 4325
Dinophilus gyrocalatus 8743
Esox lucius 13443
Mytilus edulis 5504
Ophryotrocha 8743
 Oil removal 542, 3198
 Toxicity: *Pisces*: Austria, Steiermark 3307
- Detoxication,**
 12721, 13495
- Detritus,**
 8675
 ASW, Florida, Everglades 9788
 ASW, USA, Georgia 9786
 ASW, Venezuela, Margarita Isl. 3810
Parastichopsis parvimensis: ANW, USA, Connecticut,
 Santa Catalina I. 12784
Zostera marina 6604
 Degradation: ASW, USA, Mississippi 1738
- Detritus feeders,**
 11986
Abarenicola pacifica 6498
Capitella capitata 4149
Sarotherodon mossambicus 6494
Spisula solidissima 7413
- Development,**
Acetes chinensis: INW, Korea Rep., Central West
 Coast 2702
Acipenser gueldenstaedti 13014
Acipenseridae 12986
Acrochaetium 7119
Allocreadium fasciatum 9211
Althenia filiformis: ASE, Mediterranean 7115
Amphibia 13092
Anabas testudineus 7284
Anguilla anguilla 12978
Aptocyclus ventricosus 10587
Arbacida lixula 10396
Artemia salina 9296
Asellus aquaticus 8273
Asterias rubens 11588
Bacteria 5266
Bothriocephalus acheilognathi 7469

- Caridina nilotica ariensis* 12900
Caryocrinites 7143
Channa punctatus 13683
Chara vulgaris 12760
Chlorella pyrenoidosa 7111
Chthamalus challengeri: INW, Japan 9295
Chthamalus stellatus 11677
Cichlidae 12974
Cirrhinus mrigala 12998
Clupea harengus 7263
Clupea harengus: ANW, Fundy Bay 10578
Cnidaria 4806
Colobomatus pupa 3974
Copepoda: AS 3034
Copepoda: ASE, Mediterranean 3034
Corophium triaenonyx 9575
Cottus nozawae: Japan, Hokkaido, Inland Waters 9354
Cuenestheriella setosa 4113
Cynolebias melanotaenia 11778, 11779
Diadema antillarum: ASW, USA, Florida 11573
Diaptomus oregonensis 8277
Diastylis rathkei 12911
Echinometra mathaei 13438
Entobdella soleae 2578
Erpobdella octoculata 8169
Esox lucius 7293, 7297
Euglena gracilis 8110
Fasciola gigantica 7473
Foerstephyllum 11581
Fucus vesiculosus 5992
Gambusia affinis 4013
Gastropoda 3934, 10423
Gastrotheca riobambae 5110
Gobiosoma robustum 2806
Gona intestinalis 4046
Gracilaria corticata 4781, 10320
Gyrodactylus eucaliae 8158
Haliotis 13737
Harengula pensacolatae: ASW, Brazil, Ilha Grande 5053
Harveyella mirabilis 7112
Heteropneustes fossilis 12985
Ilyanassa obsoleta 9247
Kallymenia 4780
Labidochirus splendescens 2676
Laeonereis culveri 2574
Lampetra fluviatilis 9445
Limnaea stagnalis 3945
Lycaea pulex 11675
Lymnaea palustris 13283
Macrobrachium tenellum 13728
Martesia striata 9962
Mesovelia mulsanti 12932
Metanephrops challengeri: PSE, New Zealand 8276
Metapenaeus stebbingi 6160
Micrasterias americana 8108
Mitra idae: INE, USA, California 6105
Modiolus modiolus 12852
Moina micrura 3971
Musculium securis 4901
Myoxocephalus aeneus: USA, Connecticut, Mystic R. 2800
Nassula 7139
Notophthalmus viridescens 10677
Octolasmis mulleri 9294
Oligopus longhursti 6255
Pachygrapsus crassipes 8278
Palpopleura lucia 5263
Paracentrotus lividus 10396
Perca flavescens 13167
Petrolisthes rufescens 9298
Petrolisthes zacaee 7215
Phragmatopoma lapidosa: ASW, USA, Florida 11572
Phyllodoce laminosa: ANE, France 8173
Pisces 2809
Poecilia reticulata 9392
Polypterus 2799
Polypterus senegalus 2754, 2798
Pomatomus saltatrix: ANW, USA, New Jersey 10579
Pontella meadi 10491
Prosobranchia: ASE, France 8197
Pseudomonas putida 8606
Pseudopolydora kempfi: INE, USA, California 2573
Pseudopolydora paucibranchiata: INE, USA, California 2573
Rana 8448
Rana aurora: USA, Washington 9483
Rana nigromaculata 9482
Rana pipiens 13090
Rana temporaria 9387
Salmo salar 5054
Sandalops melancholicus 6094
Sardinella brasiliensis: ASW, Brazil 8360
Scrophulariaceae 4763
Scyllarus sordidus: ISW, India 3972
Scyphozoa 9221
Siboglinum fiordicum 9212
Skeletonema costatum 7108
Spercularia media 7396
Stenella coeruleoalba 9470
Taonius megalops 11597
Taonius pavo 6094
Tetrahymena pyriformis 10394
Tubifex hattai 3908
Ulva lactuca 12748
Virus cyanophage AS-1M 8609
Xenopus 6356
Xenopus laevis 2864, 13091, 13094
Development: *Oplegnathus fasciatus* 1514
Embryos: *Coregonus peled* 281
Environmental effects: *Fundulus heteroclitus* 293
Enzymes: *Artemia salina* 2715
Hybridization: *Rana* 2854
Juveniles: *Neocalanus gracilis*: ASE, Valencia Gulf 1449
Larvae: *Phragmatopoma lapidosa* 1369
Life cycle: *Spongilla lacustris* 173
Reproductive organs: *Notophthalmus viridescens* 306
Temperature effects: *Acartia clausi* 1456
Terminology: *Pisces* 1543
Ultrastructure: *Selachii* 2778
Developmental stages,
Brachyura 4947

Microjassa cumbriensis: ASE, Mediterranean 213
Pseudodiaptomus marinus 7211
Serolis completa: ASW, Brazil, Ilha Sumitica 4946

Diets, .

Anabaenopsis circularis 5997

Differential equations,

3161

Pisces 5714

Diffusion,

5853, 6678

America, Erie L. 9014

AN 12599

ANW, Gulf Stream 12627

ASE 12599

Bacteria: ASW, USA, Florida 13425

Ceratoscopelus maderensis 13056

Pseudopleuronectes americanus: ANW, USA, Long Island Sound 5522

Digestion,

Alosa pseudoharengus: USA, Michigan L., Green

Bay 13267

Asellus aquaticus 11671

Copepoda 2981

Cyprinus carpio 11174

Glycera alba 12836

Goniobasis clavaeformis 4145

Hydrobia 9267

Lamellidens corrianus 12844

Lutianidae: ASW, Cuba 5270

Octopus vulgaris 11641

Pomadasyidae: ASW, Cuba 5270

Sarotherodon mossambicus 6494

Scylla serrata 10847

Serranidae: ASW, Cuba 5270

Teleostei 9334

Tetrahymina pyriformis 8579

Tilapia rendalli 13268

Tresus capax 12863

Digestive glands,

Aplysia californica 12871

Dasyatis pastinaca 8076

Lutjanus synagris: ASW, Brazil, Ceara 2756

Mytilus edulis 9249

Palaemon serratus 11682

Penaeus kerathurus 9571

Rana 8076

Ultrastructure: *Triturus* 317

Digestive system,

Bacteria 11178

Carassius auratus 7243

Cardium edule 6510

Lutjanus synagris: ASW, Brazil, Ceara 2756

Megatesbennus bimaculatus 2628

Mytilus edulis 6510

Oithona ovalis 10473

Oncorhynchus 11178

Ophiocephalus punctatus 4021

Pogonophora 3901

Pseudocycnus armatus 10479

Tubificidae 5405

Physiology: *Lingula unguis* 179

Directories,

3675, 7715, 7920, 10113, 10117, 11255, 12532, 13961

Southeast Asia 2256

USA 10115

USA, Louisiana 3652

7798

Discontinuity layers,

ANE, Irish Sea 6994

Disease control,

3405, 5587, 7069, 7476, 13305, 13591, 13594

Africa, Inland waters 7752

Japan 13273

New Zealand 3017, 3018

Thailand, Inland waters 13288

Aeromonas 5950

Arthropoda 4408

Catla catla 13297

Cyprinus carpio 5598, 13274

Flexibacter columnaris 13294

Homarus americanus 6836, 13734

Ictalurus 12358

Marisa cornuarietis: Egypt, Arab.Rep. 5542

Microciona prolifera 2998

Mugilidae 5226

Myxosoma cerebialis 5285

Oncorhynchus 13292

Penaeidae 5679

Penaeus duorarum: ASW, USA, Florida, Biscayne Bay 12002

Pisces 5285, 5292, 10869, 10872, 13275

Pisces: Colombia 13272

Pisces: Germany, Fed.Rep., Lower Saxony 5278

Pisces: New Zealand 3406, 3425

Reptilia 13302

Salmo gairdneri 5596, 10649, 10862

Salmonidae: New Zealand 3404

Salvelinus fontinalis 12004

Vibrio 5950, 13893

Vibrio anguillarum: INE, USA, Washington, Puget Sound 11992

Vibrio parahaemolyticus 3008

Antibiotics: *Mytilus edulis* 1719

Bacterial diseases: *Pisces* 413

Drugs: *Callinectes sapidus* 1792

Fish culture 411

Freshwater aquaculture: *Salmo gairdneri* *Diplostomum spathaceum* 1805

Rearing: *Mytilus edulis* 1719

Rearing: *Pectinidae* 1719

Viral diseases: *Salmo gairdneri*: Denmark 2994

Diseases,

Japan 13273

Thailand, Inland waters 13288

Aedes aegypti 6526

Aeromonas salmonicida 5284

Alosa sapidissima: USA, Oregon, Columbia R. 13306

Anguilla anguilla: ANE, British Isles 9655

- Anguilla anguilla*: Japan 13620
Aphanomyces astaci: Australia 7463
Biomphalaria: Africa 4894
Biomphalaria glabrata 6520, 6521, 6522
Brevoortia tyrannus 4155
Brevoortia tyrannus: ANW, USA, Massachusetts 4156, 7459
Callinectes sapidus 8298
Cerithidea californica: INE, USA, California 6531
Cetacea 12000
Crangon septemspinosa: ANW, USA, New York 3014
Crassostrea virginica 5612, 10864
Cyprinidae 10656
Cyprinus carpio 2103, 6514
Cyprinus carpio: Germany, F.R., Bavaria 6513
Cyprinus carpio: Germany, Fed.Rep., Ludwig-Donau-Main-Channel 13462
Echinocephalus sinensis 9651
Gadus morhua: AN, Greenland 13290
Genyonemus lineatus: INE, USA, California 7484
Homarus 8587
Ictalurus 12358
Ictalurus punctatus 7261, 13625
Invertebrata 10402
Lagenisma coscinodisci: ASW, Jamaica 9649
Microstomus pacificus: INE, USA, California 7484
Minichinia nelsoni 10864
Mugil cephalus 11994
Odobenus divergens: INE, St.Lawrence I. 9532
Oncorhynchus 8343
Oncorhynchus nerka: USA, Oregon, Columbia R. 13306
Oncorhynchus rhodurus f. macrostomus 13282
Oncorhynchus tshawytscha: INE, USA, Washington, Puget Sound 11992
Osteichthyes 4164
Ostreidae 13276
Ostreidae: ASE, Spain, Galicia 13304
Paecilomyces fumoso 4160
Palmeria hardmaniana: ASW, Jamaica 9649
Pasteurella 6515
Pisces 2278, 2294, 4159, 4163, 5273, 5284, 7478, 10869, 10870, 13275
Pisces: ANE, Baltic 6532
Pisces: Germany, F.R., Lower Saxony 10857
Pisces: New Zealand 3017, 3018
Plasmodium circumflexum: USA, New Brunswick, Tantramar Marshes 8588
Pollachius virens: ANE, Norway 11999
Pseudomonas fluorescens 6526
Rachycentron canadum 8591
Rachycentron canadum: ASW, USA 7256
Salmo gairdneri 13301
Salmo gairdneri: Malawi 10860
Salmo gairdneri: USA, Oregon, Columbia R. 13306
Salmo trutta 6515, 6516
Salmo trutta: British Isles, Devon, Fernworthy Reservoir 9654
Salmonella typhimurium 4159
Salmonidae 13277
Salmonidae: New Zealand 3404
Saprolegniaceae 11994
Schistosoma: World subtropical regions 10426
Scophthalmus maximus 9656, 13278, 13289
Simulidae: Germany, D.R., Mecklenburg 9645
Sparus auratus: ASE, Spain, Cadiz 12940
Terranova decipiens: AN, Greenland 13290
Tetracladium setigerum 10274
Trematoda: INE, USA, California 6531
Tursiops truncatus 5283
Vibrio 8587
Vibrio: ANE, British Isles 9655
Vibrio: ASE, Black Sea 13921
Vibrio anguillarum: ANE, Norway 11999
Vibrio parahaemolyticus: ANE, Baltic 6532
Vibrio parahaemolyticus: ASE, Togo 2464
Xiphophorus helleri 12973
Xiphophorus maculatus 12973
Zostera marina: ANE, Wadden Sea 7563
Environmental effects 389
Environmental effects: *Biomphalaria glabrata* *Angiostrongylus cantonensis* 1807
Fins: *Microstomus pacificus*: INE, USA, California 396
Heavy metals: *Microstomus pacificus*: INE, USA, California 400
Microorganisms: *Microstomus pacificus*: INE, USA, California 397
Mucus: *Microstomus pacificus* 401
Respiratory organs: *Cyprinus carpio* 1806
Therapy 389
Water temperature: *Pisces* 1758

Dispersal phenomena,
ASW, USA, Texas, Corpus Christi Harbor Channel 13434

Dispersants,
4381
Algae: ANE, Eire 3305
Clupea harengus 12218
Madracis mirabilis 8772
Pisces 12245
Scenedesmus quadricauda 11520

Dispersion,
3238, 3245, 5468, 8729, 8968, 12674
America, Ontario L. 12633
ANE, Solent 9846
Anopheles pulcherrimus: USSR, Amudarya R. 6525
Cittarium pica: ASW, USA, Florida 6423
Diatomae 7083
Mollusca 13163
Nuphar lutea: Europe, Danube R. 8321
Oxytrema suturalis: USA, Georgia, Yellow R. 8488
Prosobranchia: World oceans 5173
Pseudopleuronectes americanus: ANW, USA, Massachusetts 3747, 9928
Rana clamitans: USA, Virginia, Sylvatica Pond 9589
Spongilla lacustris 7165
Migrations: *Physa integra*: USA, Michigan, Douglas Lake 354
Numerical analysis 583
Simulation: INE, USA, California 569
Thermal stratification 583

Dissolved materials,

- 2370, 3118
 ANE, British Isles, Thames Estuary 6652
 NW, Japan 6651
 USA, Nebraska, Missouri R. 8014
Serratia marinorubra 11451
Vibrio parahaemolyticus 11451
 Thermal springs: Japan, Honshu, Shimogamo Hot Spring 1160
Dissolved oxygen,
 6713, 6979, 7947, 11298, 11299, 11300, 11301, 12574,
 12606, 13405, 13614, 13942
 Africa, Tanganyika L. 3701
 America, Erie L. 8997
 AN 5401
 ANE, Baltic 9727, 9728, 12401
 ANE, Baltic, Arkona Sea 9020
 ANE, Baltic, Gotland Sea 9020
 ANW, Canada, Newfoundland 3770
 ANW, USA, Massachusetts 4312, 7649, 7654, 7655, 7656,
 9927
 AS 7004
 ASE, Ivory Coast, Ebrie Lagoon 10164
 ASW, Cayman Trench 6985
 ASW, Puerto Rico Trench 6985
 Denmark, inland waters 11370
 Germany, D.R., Saale R. 10166, 10167, 10169
 , Pacific 2366
 NE, USA, Washington, Duwamish R. 9005
 SEW, Hong Kong, Deep Bay 12582
 SW, Arabian Sea 3738, 6998
 PSW, Antarctica 9773
 Sweden, Lakes 9022
 USA, Florida, Hillsborough County L. 5866
 USA, Georgia, Duplin R. 11351
 USA, Minnesota, Shetek L. 13515
 USA, Tennessee, Center Hill Reservoir 12712
Arthropoda 11911
Brevoortia tyrannus 7700
Gobiosoma ginsburgi 10742
Limulus polyphemus 12912
Mercenaria mercenaria 11642
Molpadia arenicola 9217
Nymphula nymphaea 9327
Spisula solidissima 11642
 Annual variations: ASW, Campeche Bank 1174
 Blood: *Pseudopleuronectes americanus* 1569
 Seasonal variations: ASW, Campeche Bank 1174
 Vertical distribution: ASW, Campeche Bank 1174
 Vertical distribution: *Limnodrilus hoffmeisteri* 360

Distribution,

- Hollandia hollardi*: ASW, Cuba 9371
Phtheichthys lineatus: ASW, Cuba 9371
Remora: ASW, Cuba 9371

Distributional charts,

- , Pacific 4672
 , Pacific, North Western Basin 4671
Aega stromi: ASE, Mediterranean 10720
Notonecta glauca 4110
Pisces: ASE, Africa, northwest 13573
Pontellina plumata: AS 5136

Diurnal rhythm,

- Acartia tonsa* 2981
Alligator mississippiensis 6464
Anguilla rostrata 7309
Chironomidae: USA, Pennsylvania, Linesville Creek 9319
Copepoda 7400
Crustacea: ASE, Canary Is. 10735
Diastylis rathkei: ANE, Germany, F.R., Kiel Bay 11896
Ephemeroptera: France, Auvergne, inland waters 13162
Eucalanus attenuatus 2981
Evadne nordmanni: ANE, Irish Sea 2938
Gammarus pseudolimnaeus 6459
Geloina proxima 10729
Hydracarina: France, Auvergne, inland waters 13162
Menidia audens: USA, California, Clear L. 13181
Mytilus edulis 12869
Parathemisto japonica: INW, Okhotsk Sea 10736
Penaeus 4098
Penaeus: USA, Texas 4482
Pisces: ASE, Canary Is. 10735
Pisces Invertebrata: ASW, USA, Florida, Apalachicola Bay 11895
Plecoptera: France, Auvergne, inland waters 13162
Sagitta enflata: INW, Japan 10737
Salmo salar 7309
Teleostei 7315
 Algal blooms: *Microcystis aeruginosa*: Japan, Suwa L. 1670

Diurnal rhythms,

- Algae*: ANE, Spitzbergen, Storvatnbekken 10727
Anguilla anguilla: ANE, Baltic 13158
Cyanoplax hartwegii: INE, USA, California, Pacific Grove, Mussel Point 8524
Fulica atra: Poland, Masurian Lakeland 6347
Gammarus 2934
Homarus americanus 10466
Lyssmata seticaudata 4998
Mopalia muscosa: INE, USA, California 8523
Phoxinus phoxinus 9567
Podiceps cristatus 6348
Tonicella lineata: INE, USA, California, Carmel Point 8238

Diurnal rythm,

- Glycera dibranchiata* 10400
Nereis virens 10400
 Physiology: *Scenedesmus obtusiusculus* 1338

Divergence zone,

ISE 3114

Diversity index,

- 12093, 13372
 ANE, Finland, Tvarminne 9740
 ANE, Norway 3083
 ASW, USA, Florida 6576
 ASW, USA, Texas 4363
 British Isles, England, Norfolk Broads 4226
 ISW, Great Australian Bight 12083
 USA, West Virginia, Bluestone Dam 12087
Algae: ANW, USA 5485
Algae: British Isles, Wales, Nant-y-Moch

Reservoir 11873
Athripsodes 5001
Cypraeidae: World zoogeographic regions 10712
Diatomaceae: Finland, Lake District 8654
Insecta: USA, Colorado, Cement Creek 8670
Invertebrata: ANW, USA 5485
Invertebrata: Canada, Manitoba, Rat R. 13367
Mollusca: ANE, British Isles, Liverpool Bay 11594
Pisces: ISEW 12104
 Community composition 416

Diving,

5810, 8966
 ANE, British Isles 8995
 ANE, Finland 10035
 ASW, Sargasso Sea 5816
 USA 3685
Arvicola terrestris 4057
Cystophora cristata 9501
Delphinus 5126
Leptonychotes weddelli 4044
Pagophilus groenlandicus 9501
Physeter catodon: PSW, South Africa 11828
Rana pipiens 8465
Serpentes 7338
 Carbon dioxide 36
 Gases: USA 38
 Test equipment: USA 38
 Underwater research vessels: USA 37

Diving physiology,

Natrix taxipilota 13102

DNA,

Anabaena 9165
Anguilla japonica 12994
Astroconger myriaster 12994
Bacteria 13401
Caedobacter taeniospiralis 9108
Cancer pagurus 7213, 8282
Chlamydomonas 2458
Crassostrea virginica 8214
Cylindrotheca fusiformis 10340
Didymium iridis 10275
Echinoidea 10392
Euchaeta norvegica: ANE, Norway 9299
Eudorina elegans 10323
Euglena 9146
Eukaryota 9093
Eunapius fragilis 3919
Invertebrata 10408
Osteichthyes 12043
Pisces 6242
Platyopocilus maculatus 8368
Pterolamiops longimanus 12043
Rana catesbeiana 10674
Saccharomyces 2458
Salmo irideus 10588
Sauria 6359
Stentor 4865
Stentor coerules 9209
Synechococcus cedrorum 8608
Tetrahymena paravorax 4856
Tillina magna 2580

Volvox carteri 13401
Xenopus laevis 5112, 13009
Xiphophorus helleri 8368
Gametes: *Molgula manhattensis* 1587

Drainage water,

4687
 Canada, Ontario, Holland R. 3735
 Canada, Ontario, Lake Simcoe 3735
Gonyaulax 6446

Dredges,

6956, 12282

Dredging,

3346, 4335, 4388, 5533, 6753, 11136
 ANE, Germany, F.R., Jade Waterway 8795
 ANW, USA, Maryland 9921
 ASW, USA, Georgia 5517, 5518, 5519
 ASW, USA, Texas 3344
 INE, USA, California 6771
 ISE, USA, California 6770
 ISEW, Guam 13499
 USA 9868, 9954, 9956
 USA, New England 9955
Crassostrea virginica: ASW, USA, Florida 10260
Ostreidae 13557
 Benthos: INE, USA, Oregon, Coos Bay 3338
 Biota 3339
 Biota: ASW, USA, Alabama, Mobile Bay 722
 Dispersion: USA 2036
 Estuaries 3339
 Estuaries: ASW, USA, Alabama, Mobile Bay 722
 Estuaries: INE, USA, Oregon, Coos Bay 3338
 Marine pollution 499
 Pollution control: USA 2036
 Sanitary engineering 709
 Sediment analysis 3339
 Sediment analysis: INE, USA, Oregon 3336
 Sediment transport: USA 2036
 Sediments 726
 Waste disposal 726
 Waste disposal: America, Great Lakes 592
 Waste disposal: USA 2036
 Water pollution: America, Great Lakes 592
 Zooplankton 3337

Drift organisms,

Algae: ANE, Spitzbergen, Stortvatnbekken 10727
Diptera: USA, Oklahoma, Honey Creek 11707
Ephemeroptera: Czechoslovakia, Inland waters 13386
Ephemeroptera: France, Auvergne, inland waters 1316
Hydracarina: France, Auvergne, inland waters 13162
Invertebrata: Ghana, Pawmpawm R. 6439
Mollusca 13163
Plecoptera: France, Auvergne, inland waters 13162
 Currents: *Euphausia superba*: PSW, Weddell Sea 327
 Currents: *Euphausia superba*: PW, Scotia Sea 327

Drifters,

America, Ontario L. 12633
 ANE, British Isles, Suffolk 12561
 ASW, Caribbean 12643

SW, Mexico Gulf 12643
 N, North Pacific Ocean 12632
 W, Australia 13169

Drilling,
 5811
 NE, USA, California 13494
 World oceans 5919

Furcs,
Chrysemys picta 8453
Lias batrachus 6269
Penolabrus rupestris 5065
Chinoidea 6079
Electrophorus electricus 8409
Heteropneustes fossilis 7296
Scorpaenidae 5292
Neurodeles walitii 7339
Salmo gairdneri 8377, 13048
Salmo salar 11185
Cylioherinus canicula 4022
Aqualus acanthias 4022, 5064
Porpedo marmorata 8409
Triturus viridescens 5117
Penopus laevis 2862, 8461
Monaria 4125
Ancreas: Natrix piscator 1595

Fish,
 SE 4692

Fishes,
 5788, 10141
 Jamaica, Inland waters 12709
Parabaena flos-aquae 7765
Tomarus americanus 13734
Lebsiella pneumoniae 4740

Oystrophic lakes,
 Limnological data: New Zealand, Ngahewa L. 1145

Cho surveys,
 3662, 5823, 6811, 6812, 9988, 11304, 13760
 Africa, Rudolf L. 10029
 NE, Atlantic 12562
 SE, Canary Is. 6440
 SE, Guinea Gulf 12397
 SE, Tunisia 11202
 ASW, Brazil 13755
 NE, Canada, British Columbia 6864
 SEW, Ontong-Java Plateau 10238
Anchoa: ISE, California Gulf 11217
Gadidae: ANE, Norway, Lofoten 11901
Gadus poutassou: ANE, Norwegian Basin 12394
Micromesistius poutassou: ANE, British Isles 6872
Opisthonema libertate: ISE, California Gulf 11217
Pisces: ASE, Balearic Is. 12580
Gardina pilchardus 11211
Gardinops ocellata: ASE, Atlantic 13853
Gardinopsis sagas: ISE, California Gulf 11217
Sprattus sprattus: ANE, Norway 12402
Eleostei: INE, USA, California 10539

Echosounders,
 9991

Echosounding,

3622, 3689, 5577, 5578, 9987, 9988, 10033, 13760
 Africa, Rudolf L. 9984
 ANE, Atlantic 12562
 ANE, British Isles 11294, 11295
 ANE, Germany, F.R., Elbe estuary 8004
 Germany, F.R., Weser R. 8003
 Germany, Fed.Rep., Blunker L. 4641
 INW 5576
 ISEW 5576

Euphausiidae: ANW, St. Lawrence Gulf 11214
Salmonidae: IN, Bering Sea 10049
 Calibration 946
 Computer applications 41, 8823, 7790
 Fishery surveys: Africa, Tanganyika L. 1004
 Inland fisheries 945
 Numerical analysis 40
 Pelagic fisheries: Africa, Tanganyika L. 1005
 Population dynamics: *Oncorhynchus nerka*: USA, Washington, Washington L. 427
 Stock assessment: Africa, Tanganyika L. 1005
 Stock assessment: *Oncorhynchus nerka* 1006
 2314

Ecological distribution,

Copepoda: ASE, Mediterranean 5353
Emerita analoga: PSW, Chile, Llico 3027
Laminaria saccharina: PNW, White Sea, Chupa Bay 3099
Paralichthys dentatus: ANW, USA, New Jersey 4171
Pisces: Africa, Tanganyika L. 3701
Polychaeta: ASW, USA, Florida, Tampa Bay 7366
Saccorhiza polyschides: ASE, Messina Strait 3259

Ecology,

3184, 4346, 4376, 5406, 5480, 6616, 7917, 7932, 7934,
 8668, 9509, 10703, 13402, 13413
 America coasts 10713
 ANE, Baltic 3167
 ANE, British Isles, Scotland 8669
 ANE, British Isles, Swansea Bay 6735
 ASE, Adriatic 12100, 12298
 ASE, Ghana, Sakumo Lagoon 5379
 ASE, Italy 2875
 ASE, Mediterranean 12591
 ASW, Mexico Gulf 10945
 ASW, USA, Florida 12107
 ASW, USA, Mississippi 11857
 Australia, Western Australia, Kalgoorlie 7347
 British Isles, England, Norfolk Broads 4226
 Caroline Isl., Namoluk Atoll 8481
 France 13412
 France, Pavin L. 10913
 Germany, Fed.Rep., Baden-Wuerttemberg 13955
 Ghana, Inland waters 4247
 INE, USA 10953
 ISE, USA 10953
 ISEW, Caroline Is. 13500, 13505
 ISEW, Caroline Isl., Namoluk Atoll 8481
 ISEW, Marshall Is. 13503, 13504
 ISEW, Palau Is. 13506
 ISEW, Truk Is., Moen 13501
 Israel, Inland waters 8753

- ISW, India 4228
 ISW, Tanzania 7567
 Lesser Antilles, St. Vincent 11865
 Netherlands, Tienhoven 12736
 New Zealand 6984
 PSE, New Zealand, White Is. 9511
 USA, Inland waters 8655
 USA, Minnesota, Elk L. 12513
 USSR 12502
Acropora palmata: ASW, Netherlands Antilles 13373
Actiniaria 10989
Agabus 10986
Agrammus agrammus: INW, Japan 10997
Alcarida: ASE, Italy, Secche della Meloria 3956
Algae 5321, 10284, 11004, 12148
Algae: ANE, British Isles 4114
Ameiridae: ASE, Mediterranean 4965
Amphibia: Finland 2874
Amphibia: USA, California, Inland waters 13133
Amphipoda: ASE, Sicily 9280
Appendicularia 13077
Aves: British Isles, Berkshire, Freeman's Marsh 5771
Bacillariophyta: Iceland 5344
Bacteria 5948
Bathynella: America, Amazon R. 6553
Biomphalaria pfeifferi 10453
Brachiopoda 12148
Bryophyta: British Isles, Scotland, Lakes 12739
Cambarus batchi: USA, Kentucky 8250
Cardium 3928
Cephalopoda: ASE, Mediterranean 11638
Ceratum egyptiacum: Egypt, Arab Rep., Suez Canal 4075
Cladocera: Netherlands, Tienhoven 12876
Cliona celata: ANW, USA, New York, Gardiners Island 8135
Coleoptera 5002
Copepoda: ANE, Spain, Ria de Muros 13344
Copepoda: ASE, Aegean 1871
Corallimorpharia: PSW, Antarctica 7132
Cottus nozawae: Japan, Hokkaido, Inland Waters 9354, 9355
Creusia phryxa 10989
Crustacea: America, Michigan L. 4205
Culex pipiens 5131
Daphnia magna 12229
Decapoda: ASW, USA, Florida 10467
Decapoda: ISE, Panama Gulf 10996
Desmidiaceae: Romania 3152
Diatomeae: Netherlands, Tienhoven 12737
Dugong dugong 13063
Echinodermata: ASE, Cyprus 12782
Engraulis japonica: INW, Japan Sea 10987
Enneacanthus chaetodon: USA, Virginia 4094
Esox lucius 11071
Feltria schusteri: Austria, Saalfelden 6179
Foraminifera: ASE, Mediterranean 11282, 11283
Fungi: Italy, Pavia, Ticino R. 9100
Gammaridae: USSR Coasts 4943
Gastropoda 2626, 10791
Gastropoda: ANW, USA, Delaware 3923
Hexagrammos otakii: INW, Japan 10997
Hippoglossoides platessoides: ANW, Canada, Newfoundland 9672
Holothuria: ASE, Mediterranean 8567
Hydracarina: Panama, Canal Zone, Madden Lake 1845
Hyphomycetes: Hungary, Mergo R. 12727
Insecta 12230
Invertebrata: America, Amazon R. 6595
Invertebrata: British Isles, Westmorland, Inland waters 4227
Invertebrata: USSR, Baikal L. 6395
Laminaria ochroleuca: ANE, France 149
Laminaria ochroleuca: ASE, France 149
Lepomis 7351
Leptinogaster: ASE, Black Sea 12155
Lulworthia: ASE, Mediterranean 9099
Macroura: ISE, Columbia, Malpelo Isl. 2659
Microturbellaria: Kenya 10724
Mytella: ASW, Trinidad 6617
Neomesomermis flumenalis: Canada, Newfoundland 6508
Neophocaena 9466
Notropis longirostris: USA, Mississippi, Jourdan R. 5179
Oligochaeta: ANE, Iceland 10385
Osmerus mordax: USA, New York, George L. 7391
Parastacoides tasmanicus: Australia, Tasmania 1599
Patella: PSW, South Africa Rep. 4260
Pelecypoda 10791
Perca flavescens: USA, New York, Oneida L. 10822
Phoxinus: Canada, Quebec, Triton L. 13228
Pisces 12935
Pisces: INW, Japan 5008
Pisces: ISW, Malagasy Rep. 4223
Pisces: Netherlands, Tienhoven 13123
Pisces: PSW, South Africa Rep. 9340
Pocillopora damicornis: ISE, Panama Gulf 10996
Podostemaceae: Venezuela, Caroni R. 9141
Pomacentridae: ISW, Red Sea 8537
Ruppia: France, Camargue 7558
Salmo clarki: Canada, British Columbia, Vancouver Is., Great Central L. 6483
Saprolegniaceae 2473
Sciaenidae: ASW, Brazil 8491
Scomber japonicus: INW, Japan Sea 10987
Sphaeriidae: USSR 10427
Sphyaenidae: ISW 4000
Sternotherus: USA, Florida 10880
Tetraodontidae: ISEW, Taiwan 11751
Thais 13408
Tintinnida: PNW, White Sea 11163
Tresus capax: INE, USA, California, Humboldt Bay 7860
Venerupis decussata 6854
Vibrio parahaemolyticus: ASE, Togo 2464
Zostera marina: ANW, USA, North Carolina 12146, 12147
 Abundance: *Patella concolor* 1394
 Biogeography: *Planaria*: France, Lyon 1339 2249
 Communities: Canada, British Columbia, Fraser

- R. 1604
community composition: *Algae*: Australia, Moruya
R. 1292
community composition: *Thalassia*: ASW, Cuba 1294
environmental factors: *Gymnodinium helveticum*:
Sweden, Vombsjoen L. 1682
fisheries statistics: *Doryteuthis bleekeri*: INW, Japan,
Hokkaido 976
fishing effort: America, Superior L. 3046
food composition: *Haplochromis*: Uganda, George
L. 1931
geographical distribution: *Amphibia*: USA,
Tennessee 1578
geographical distribution: *Plecoptera*: Norway 1467
introduced species: *Salmonidae*: Kerguelen Is. 865
lagoons: ASE, Venice Lagoon 319
limnology: Italy, Endine L. 318
morphology (organisms): *Cymothoidae*: ASE,
France 217
production (biological): *Agapetus fuscipes*: Germany,
Fed. Rep., Hessen, Breitenbach 1909
surveys: Madagascar 1111
- economic analysis,**
world ocean 5741
Ursiops truncatus: ASW, USA, Florida 4532
fish culture 2102, 2187
shellfish fisheries: *Penaeidae*: ISW, Australia, Western
Australia 1069
- economic models,**
Uchhornia crassipes 12289
1109
- economics,**
13668, 13930
Australia, South Australia, Adelaide 10082
Australia, Western Australia, Cheyne's Beach Whaling
Stn. 13530
World Ocean 10079
Cyprinus carpio 13634
Laminaria japonica: Japan 7837
Penaeus japonicus: INW, Japan 13928
Scaphes 13927
Porphyra: Japan 7837
Salmonidae: Europe 13626
Andaria pinnatifida: Japan 7837
sea bed conventions 1249
- ecosystems,**
4367, 4691, 5462, 5760, 6918, 7568, 7588, 7600, 8640,
8668, 8672, 8681, 9506, 9509, 9801, 9807, 9811, 9817,
9871, 10705, 10962, 11033, 12144, 12250, 12291, 12715,
13125, 13403
America, Erie L. 9803
INE, Bristol Channel 3156
INE, Kiel Bight 9684
INE, North Sea 9810
Antarctica, Bonney L. 1925
NW, Canada, Nova Scotia 9745
NW, St. Lawrence Estuary 11362
NW, USA, Massachusetts 3740
NW, USA, North Carolina, Beaufort 9795
NW, USA, Pennsylvania, Indian Creek 12169
- ASE, Israel 3147
British Isles, Clyde R. 3177
British Isles, Northern Ireland, Lough Neagh 4245
British Isles, Slapton Ley 3141
British Isles, Tay R. 8643
Canada, Char L. 10969
Finland, Inland waters 10980
Hawaii, Honolulu, Ala Wai Canal 9507
INE, USA, California 5415, 9808
IS, Pacific 3606
ISE, Peru Current 2392
ISW, Israel 6605
New Zealand, Inland waters 9813
PNW, Barents Sea 10984
Poland, Leczna-Wlodawa 6613
Poland, Mikolajskie L. 6612
Poland, Smolak L. 6568
PS, Ross Sea 3767
Sweden, Moeckeln L. 11830
Tasmania, Lagoon of Islands 8806
USA, Florida, Everglades National Park 11002
USA, Inland waters 8655
USA, Massachusetts, Fort R. 10995
USA, Michigan, Inland waters 13128
USA, North Carolina, Neuse R. 13441
USSR, Inland Waters 6716
World inland waters 12215
Acartia clausi 13258
Algae 6597, 7926
Algae: India, Inland waters 6586
Algae: Sweden, Erken L. 13404
Algae: USA, Oregon, Cline's Pond 13391
Anabaena cylindrica 4259
Apogonidae: ISW, Madagascar, Tulear 12152
Arthropoda 4257
Astropecten aranciatus 8566
Bacteria 6597, 8666
Bacteria: New Zealand, Grasmere L. 9812
Calanus: ANE, North Sea 8634
Ceratophyllum demersum: Netherlands, Vetchen
L. 13395
Chaoborus flavicans: Poland, Mikolajskie L. 6610
Cladophora: ANE, Baltic 9739
Crassostrea virginica: ANW, USA, South Carolina, North
Inlet 10994
Cyprinodon nevadensis: USA, California, Death
Valley 13382
Diodon holacanthus 3138
Dreissena polymorpha: Poland, Mikolajskie L. 6611,
13409
Elodea canadensis: Netherlands, Vetchen L. 13395
Floriceps saccatus 3138
Fucus: ANE, Baltic 12109, 12110
Hydropsyche: Czechoslovakia, Jihlava R. 1930
Laminaria 13387
Lichomolgidae: ISEW, New Caledonia 3158
Macrocystis: INE, USA, California 11726
Mercenaria mercenaria 7669
Nanaspidae: ISEW, New Caledonia 3159
Notropis: USA, Wisconsin, Roxbury R. 13389
Pagurus impressus 3139

Pagurus pollicaris 3139
Pisces: ISEW, Guam 3100
Protozoa: ASW, USA, Alabama, Mobile Bay 4243
Protozoa: Poland, Mikolajskie L. 6567
Sabelliphilidae: ISEW, New Caledonia 3159
Salmo 13943
Scomber japonicus 12231
Siphonophora: ISW 4252
Spartina alterniflora 10334
Strongylocentrotus droebachiensis 13387
Teleostei: Sweden, Inland waters 12160
Zoomastigophora: USSR, Baikal L. 9765
Zosteraceae: ASW, Caribbean 12136
Zosteraceae: USA coasts 11457
Benthos: 1932, 3343
Ecology 479
Energy flow 486
Energy flow: *Pleuroncodes planipes* 1460
Enzymes 321, 3102
Fjords: PNW, Barents Sea 1894
Hydrography: INE, USA, Oregon 1163
Marine environment 486
Mathematical models 1083, 1607
Oil pollution 1941
Pelagic zone 1083
Pollution control: America, Great Lakes 886
Pollution effects 1941
Primary production: PNW, Barents Sea 480
Trophic levels 486

Ectoparasites,

Archaster typicus: ISEW, Hong Kong 10871
Balci shaplandi: ISEW, Hong Kong 10871
Mucronalia fulvescens: ISEW, Hong Kong 10871

Eddies,

12630, 12651, 12652, 12660, 12662
 AN 12590
 ANE 12589
 ANW, Gulf Stream 12661, 13378
 INW, Kuroshio Current 9038
 PN 12604
 PSE, Tasman Sea 5877
 Bathythermographs 1183

Education,

2236, 4578, 5776, 6934, 11066, 13961
 ANW, USA 3648
 ASE, Morocco 7929
 Canada 8918
 Canada, Montreal, McGill Univ. 12536
 Malaysia, Kuala Trengganu 10019
 Philippines 13958, 13959, 13960
 Philippines, Manila 3622
 Southeast Asia 13520
 Spain 13962
 USA 3673
 USA, New York 4588
 USA, Philadelphia, Lehigh Univ. 10108
 Coastal fisheries 3618
 Fisheries: Malawi, Mpwapwe 1087
 Fisheries: Peru 1088
 Fishermen: Singapore 3619

Fishermen: Zambia 3623
 Fishery industry 3620, 3621, 3624, 3625
 Research institutions: Japan, Misaki 3618

Eggs,

Acanthephyra 9300
Acipenseridae 8864
Aedes caspius 6182
Aeromonas 9642
Allocreadium fasciatusi 9211
Amphibia 6361
Anguilla anguilla 6229
Antedon bifida 6030
Arbacia punctulata 9222, 11558
Artemia salina 8270, 9296, 11192, 12899
Bufo arenarum 8435
Cancer irroratus 10490
Carassius auratus 11938
Chelonia 11845
Chelonia mydas 10675
Chelonia mydas: ASE, Ascension I. 9449
Chthamalus stellatus 11677
Cichlidae 12974
Clunio marinus 11717
Corbicula leana 4927
Corophium triaenonyx 9575
Cronia: ISW, Australia, Western Australia 4920
Ctenopharyngodon idella 12992
Culex tarsalis 8309
Cynolebias melanotaenia 11778, 11779
Cyprinodon nevadensis: USA, California, Saratoga Springs 8370
Cyprinus carpio 5060, 13684
Davidius moiwanus tarvii 12931
Discoglossus pictus 5111
Echinoidea 10399, 10410
Engraulis ringens: ISE, Peru 11784
Eretmochelys imbricata 9481
Esox masquinongy: USA, Wisconsin 4463
Etrumeus teres 5061
Euphausiacea: PSW, South Georgia 6442
Fasciola hepatica 12013
Fucus vesiculosus 5991, 5992
Fundulus heteroclitus 11180
Harengula pensacola: ASW, Brazil, Ilha Grande 5053
Labidocera aestiva 7402
Leander styliferus: ISW, India, Kulti Estuary 13604
Lernaeocera branchialis 12910
Lymnaea stagnalis 9261
Macrobrachium dayanum 12908
Macrobrachium lamarrei 12908
Megathura crenulata 7184, 7185
Misgurnus fossilis 9447
Moina micrura 3971
Morone 13184
Mugil parsia: ISW, India, Kulti Estuary 13604
Mytilus viridis 8217
Nassarius reticulatus 10445
Nerophis lumbriciformis 10596
Oncorhynchus kisutch: America, Great Lakes 11789
Oncorhynchus kisutch: INE, USA 11789
Oryzias latipes 8371

Paracentrotus lividus 9201
Paralithodes camischatica: INW, USSR,
 Kamchatka 9199
Penaues: ISW, India, Kulti Estuary 13604
Phaeoptyx conklini: ASW, Bahama Is. 7285
Pisces 8864, 11776
Pisces: PSE, New Zealand 2777
Raja naevus 7288
Rana pipiens 7337
Rutilus rutilus: Sweden, Avaa L. 6758
Salmo gairdneri 5060
Salmo gairdneri: Turkey 11786
Salmo trutta 11787
Salvelinus fontinalis 11028
Scomberesox saurus: AN 9719
Scyllorhinus canicula 8372
Strongylocentrotus purpuratus 2582, 11577
Tachysurus caelatus 4015
Teleostei 5045, 11107
Theragra chalcogramma 7872
Triturus pyrrhogaster 5116
Troglocaris anophthalmus 9293
Tubifex hattai 3908, 11583
Urechis caupo 6052
Virus simian 40 4752
Xenopus laevis 4055, 7337, 9479, 9495
 Amino acids: *Balanus* 235
 Larvae: *Ciliata septentrionalis* 266
 Mitosis: *Clypeaster japonicus* 1349
 Mitosis: *Temnopleurus toreumaticus* 1349
 Morphology (organisms): *Echiodon rendahli*: PSE, New
 Zealand 1544
 Physiology: *Sargassum thunbergii* 2516
 Polyploids: *Cyprinus carpio* 2111
 Salinity effects: *Tortanus orcipatus* 361
 Temperature effects: *Tortanus orcipatus* 361

Electric fences,
Pisces: USA, Connecticut, Connecticut R. 5530
 Smolts: *Salmonidae* 937

Electric fishing,
 9977, 9982, 11166, 13569
 USSR, Inland waters 5573
Anguilla 13548, 13553
Anguilla: Eire, Shannon R. 13554
Anguilla: Poland 13550, 13551
Clarias lazera: Ivory Coast, Bouake 10012
Heteropneustes fossilis 13559
Lates niloticus: Ivory Coast, Bouake 10012
Penaues 13571
Pisces 4033, 9983
Pisces: Germany, F.R., Main R. 5641
Pisces: Germany, F.R. Rhein R. 5641
Pisces: USA, Tennessee, Nickajack Reservoir 10574
Pleuronectidae 9977
Rentius ticto 13559
Tilapia mossambica 13559
Tilapia nilotica: Ivory Coast, Bouake 10012
 Fishery surveys: *Anguillidae*: Algeria 938
 823
 Fishing gear 824, 825

Electric organs,
Apteronotus albifrons 8403, 10775
Electrophorus electricus 2837, 6315, 7305, 8409, 10616,
 11804, 11814
Gymnarchus niloticus: Chad, Chari R. 13026
Ictalurus nebulosus 5089
Mormyrus rume 4115
Narcine brasiliensis 6223
Pisces 4118
Raja clavata 10631
Sternarchus albifrons 10616
Torpedo marmorata 6308
Torpidinidae 13004
Trigon pastinaca 6283
Trygon pastinaca 10631
 Avoidance behaviour: *Gymnarchus niloticus* 368
 Physiology: *Gymnarchus niloticus* 1565

Electrical conductance,
 6924, 7001, 8987
 Africa, Tanganyika L. 3701
Loligo 2644
Rana temporaria 13103
Torpedo marmorata 6308
Tubipora musica 12821
Verecillum cynomorium 6057
 Water currents 57

Electrolysis,
Pisces 4033

Electromagnetic radiation,
 Australia, New South Wales, inland waters 10161
 PSE, Australia, New South Wales 10161
Cosmarium botrytis 11509

Electromagnetism,
Anguilla rostrata 7309
Salmo salar 7309

Electron microscopy,
 12564, 12565
Acellus intermedius 4949
Acipenser gueldenstaedti 6231
Balanus balanoides 7205
Bufo marinus 8426
Callinectes sapidus 13902
Carcinus maenas 8266
Carinariidae: AN 4898
Cephalopoda 8212
Chaetoceros 7081
Chlorogonium elongatum 10299
Diatomae 7089
Dugesia dorotocephala 11580
Euglena gracilis 9130
Euplotes eurystomus 10359
Fundulus heteroclitus 10583
Gambusia affinis 6245
Geodia cydonium 12823
Halisarca dujardini 12818
Hynobius lichenatus 11847
Ictalurus punctatus 10554
Melosira 7090
Mytilus edulis 10446
Ochromonas danica 6005

Opisthobranchia 8199
Orconectes limosus 10488
Parafavella denticulata 9172
Phascolosoma agassizii 10273
Poliovirus 5947
Polytomella agilis 10297
Porphyridium purpureum 9129
Rana rugosa 8429
Sacoglossa 5943, 10424
Simuliidae 12928
Stentor coerules 7133
Thalassiosira 7091
Thalassiosira: ANW, USA, South Carolina 7084
 Eggs: *Allocentrotus fragilis* 12817
 Eggs: *Lytechinus pictus* 12817
 Eggs: *Strongylocentrotus purpuratus* 12817
Mucus: Protozoa 1377
 Phytoplankton: ASE, Italy 452

Electronic equipment,

5831, 11304, 12559, 12560
Algae 5938
Pisces 13918
 Cruises: ASE, Biscay Bay 2300
 Sampling (biological): *Anguilla* 827

Electrophoresis,

Anchoa 4024
Anguilla anguilla 12978
Anguilla anguilla: ASE, Mediterranean 13339
Balanus balanoides 5319
Bathygobius: ASW, Panama 10590
Biomphalaria 4894
Biomphalaria: Africa 4894
Blenniidae 2784
Caiman latirostris 13105
Chlamys opercularis: ANE, British Isles, Wales, Anglesey 4935
Clariidae 10643
Cynoscion nebulosus: ASW, Mexico Gulf 9677
Entosphenus japonicus 11809
Eptatretus stoutii 11811
Gammarus insensibilis 9303
Lutjanus: ASW, Brazil 2811
Macropodus puber 11687
Menidia menidia: ANW 10624
Merluccius merluccius 13058
Ochromonas danica 6005
Ostrea 11648
Ostreidae: INW, Japan 4912
Paramecium aurelia 9231
Parechinus angulosus 4869
Pinctada fucata 6549
Rastrelliger kanagurta 13030, 13031
Rita rita 10643
Salmo gairdneri 9410
Sardina pilchardus 13058
Sardinella longiceps 13030, 13031
Semotilus atromaculatus 9422
Thunnidae: ISEW, Taiwan 10612
Tisbe 9303
Wallagonia attu 10643
 Biochemistry: *Bulinus* 203

Phytoplankton: *Algae* 438
 Proteins: *Blenniidae* 285
 Proteins: *Salvelinus* 1493

Embryology,

Acipenseridae: USSR, Inland waters 10586
Ambystoma gracile 9478
Amphibia 8624
Artemia salina 12904
Bithynia 11627
Bufo arenarum 9498
Cancer irroratus 10490
Catostomus commersoni 10591
Cereus pedunculatus 6050
Cladosiphon okamuranus 11194
Cynops pyrrhogaster 7334
Cyprinus carpio 9434, 11775
Echinodermata 5945
Emys orbicularis 8434
Eupagurus prideauxi 10494
Goceia 11626
Hemioniscus balani 8280
Heteropneustes fossilis 12985
Lernaeocera branchialis 12910
Lymnaea 11627
Molgula impura 4052
Myriothele cocksi 11574
Nassarius reticulatus 10445
Oligopus longhursti 6255
Pogonophora 3906, 3915
Pseudopleuronectes americanus: ANW, USA, New York 5195
Rana pipiens 10673
Salmo gairdneri 6256
Salmo trutta 12979, 13481
Sargassum thunbergii 11499
Scapholeberis kingi: World Tropical Regions 12906
Tachypleus tridentatus 11681
Testudo graeca 8434
Valvata 11626
Xenopus laevis 308, 8467
 Brain: *Arius felis*: ASW, USA, Alabama, Mississippi Sound 908
 Developmental stages: *Ilyanassa obsoleta* 198
 Enzymes: *Rana chensinensis* 310

Embryos,
Acanthina spirata 12853
Amphibia 13092
Artemia salina 8172, 10507, 10900
Asellus aquaticus 8272
Brachydanio rerio 13003
Bugula neritina 3909
Echinoidea 6079, 10410
Eumetopias jubata: INE, USA, California, Monterey Bay 9477
Fundulus heteroclitus 12993
Hynobius lichenatus 11847
Lymnaea stagnalis 2606
Lysiosquilla occulta 11673
Misgurnus fossilis 2813, 9498
Mugil saliens 12374
Muricidae 13408

- ryzias latipes* 13003
aracentrotus lividus 9201
sammechinus mliaris 6076
ana pipiens 13090
almo gairdneri 12348
iboglinum fiordicum 9212
hais emarginata 12853
rodela 11846
enopus laevis 9479, 13091, 13094
 development: *Fundulus heteroclitus* 293
- Endocrine glands,**
ulinus truncatus 7191
ebistes reticulatus 11796
ineus 7167
ocilia latipinna 2764
- Endocrinology,**
ufo arenarum 9386
steichthyes 4010
isces 2832
ana catesbeiana 5123, 5124
- Energy budget,**
 13348
 USA, West Virginia, Spruce Knob Lake 11426
 ves: Sweden, Moeckeln L. 11830
ncorhynchus nerka 9441
- Energy budgets,**
 6616, 8905, 9806
 Australia, Western Australia, Cheyne's Beach Whaling
 Stn. 13530
 USA, New York, Montauk L. 3787
alaenoptera 9504
alanus finmarchicus 13356
cirolana harfordi 13407
Crassostrea virginica: ASW, USA, Georgia, Sapelo
 I. 13390
Diastylopsis dawsoni: INW, Japan, Hokkaido 9767
Hemiptera 12934
ittorina: ANE, British Isles 9266
Mysticeti: Southern hemisphere oceans 13211
Physeter catodon 13210
Pseudopleuronectes americanus 12937
Sagitta elegans 13356
Salmo gairdneri 11977
Spartina alterniflora: ANW, USA, Connecticut, Long
 Island Sound 12117
Stentor coeruleus 7604
Tecticeps japonicus: INW, Japan, Hokkaido 9767
Tilapia mossambica 11975
- Energy flow,**
 2340, 10203, 10979, 11171, 11430, 12330, 12640
 America, Ontario L. 12585
 ANE, British Isles, Scotland 7546
 ANE, Kiel Bight 9723
 USA, California, Mohave Desert, Tecopa Bore R. 12120
 USSR, Baikal L. 7572
 Venezuela, Andes 12115
Anabaena cylindrica 4259
Ancylus fluviatilis 4254
Bacteria 5414
Bacteria: ASE, Lyon Gulf 4718
- Chelonia mydas* 8464
Ciliata 12835
Cladophora: ANE, Baltic 9739
Crassostrea virginica: ANW, USA, South Carolina, North
 Inlet 10994
Crassostrea virginica: ASW, USA, Georgia, Sapelo
 I. 12140
Gasterosteus aculeatus 3020
Hemiptera: Austria, Neusiedler L. 4253
Invertebrata 6583
Parastichopsis parvimensis: ANW, USA, Connecticut,
 Santa Catalina I. 12784
Schistocephalus aculeatus 3020
Teleostei 10563
Xenopus laevis 9495
Zostera marina: ANW, USA, North Carolina 12147
 Benthos: ANE, British Isles, Scotland 7546
 Ecosystems: Canada, Alberta, Kanansaskis Valley 3153
 Trophic levels 486
 Water waves 1251
- Energy flow,**
Zostera marina: ANW, USA, North Carolina 12146
- Engineering,**
 3822, 5553, 7932, 11288, 11302
 ANW, USA, New York, Jamaica Bay, Rockaway
 Inlet 12267
 Underwater exploitation 845
- Entomology,**
Nectopsyche 8307
 Traps 1609
- Entrainment,**
 ANW, Gulf Stream 12627
- Environmental conditions,**
Fucus distichus: ANW, Canada, Nova Scotia 9144
- Environmental effects,**
 2382, 6753, 7726, 8689, 9821, 9937, 10141, 10793, 12528,
 13657
 Africa, Inland waters 7752
 ANE, Baltic 19831
 ANW, USA, Pennsylvania, Indian Creek 12169
 ANW, USA, Rhode Island 4397
 ANW, USA, Virginia 11138
 ANW, USA, Virginia, Delmarva Peninsula 9932
 AS 7541
 ASE, France, Port-Cros I. 7772
 ASW, Panama 7560
 Finland, Inland waters 12621
 INE, USA, California 5415
 INE, USA, Oregon, Netarts Bay 4378
 ISEW, Guam 12103, 13499
 ISEW, Guam, Toguan Bay 4404
 ISEW, Guam, Tuanmokot Channel 4405
 ISEW, Hong Kong 7052
 USA, Georgia, Duplin R. 11351
 USA, New England 9955
Acropora palmata: ASW, Netherlands Antilles 13373
Aedes caspius 6182
Algae 10284
Algae: ANE, British Isles 4114
Algae: ANE, Finland, Aaland archipelago 9938

- Algae*: ANW, Canada, Chaleurs Bay 8811
Algae: British Isles, Wales, Nant-y-Moch Reservoir 12118
Algae: INE, Canada, Squamish 12119
Amphibia: Ivory Coast 13337
Anabaenopsis circularis 5997
Ancylidae: USA, Texas 8554
Ancylus fluviatilis 5186
Anguilla anguilla 13618
Astropecten aranciatus: ASE, Mediterranean, Sardinia 11910
Bacillariophyta: ASW, Florida Straits 5345
Bacteria 5254
Bacteria: ANW, USA, Chesapeake Bay 8079
Bacteriophages 5961
Bellerophon maleus: ASW, Mexico Gulf 9117
Bosmina longirostris: USA, Michigan, Frains Lake 4106
Bowerbankia gracilis 13178
Bufo: Japan, Nara Prefecture, Mt. Ohdaigahara 6357
Calliarthron tuberculosum 5981
Carassius auratus 10784
Cassiopea xamachana 13178
Chelonia mydas 5200
Chironomidae: Canada, Front L. 6755
Chlorella vulgaris 12779
Cichlidae: Malawi, Malawi L. 7839
Ciona intestinalis: ASE, France 13081
Cladocera: Netherlands, Tienhoven 12876
Cladophora: ANE, Finland, Aaland archipelago 9939
Clupea pallasii: INW, Okhotsk Sea 9416
Coleoptera 5002
Copepoda 8531
Copepoda: ANW, USA, Maryland 11137
Copepoda: ASW, Brazil 9699
Corallinaceae 4774
Corophium triaenonyx: ISW, India, Visakhapatnam 13179
Corycus lanceolatus: PSW, Argentina, Puerto Deseado 11461
Cosmarium botrytis 11509
Crangon crangon 9554
Crassostrea gigas: ISEW, Hong Kong, Deep Bay 13218
Crassostrea virginica: USA, Delaware, Murderkill R. 6761
Crenobia alpina 4105
Crustacea: USA 4086
Cuenestheriella setosa 4113
Cyprinus carpio 10543
Daphnia pulex 13259
Daphnia schoedleri 11969
Decapoda: ISE, Panama 10948
Derocheilocaris typica 8532
Diatomeae: Yugoslavia, Ohrid L. 8629
Didinium nasutum 9236
Donax fosser: ANW, USA, Virginia, Wallops I. 11890
Echinoida 12807
Eichhornia crassipes: Egypt, Arab. Rep., Nile R. 6763
Escherichia coli 11909
Euphausia 7506
Euphausia pacifica 10725
Fundulus heteroclitus 5437
Gastropoda 5302
Gastropoda: Canada, Gentilly, St. Lawrence R. 7748
Glyptotendipes paripes 8533
Gonyaulax 6446
Gymnodinium: INW, Japan, Omura Bay 6447
Hypnea 11918
Insecta 10524
Invertebrata: Eire, Inland waters 4215
Invertebrata: USA, Ohio 4327
Invertebrata: USA, Virginia, New R. 3104
Labidocera: America coasts 9518
Limnaea stagnalis 3945
Littorina: ANW, British Isles 12149
Littorina scutulata: INE, USA, California 5161
Limnaea stagnalis 5196
Macropodus opercularis 6457
Mercenaria mercenaria 5198
Micropterus salmoides 10739
Mopalia muscosa 8525
Morone saxatilis 8386
Morone saxatilis: USA, New York, Hudson R. 11140
Mya arenaria: ANW, USA, Maryland 5534
Myriophyllum: USA, New York, Cayuga L. 8793
Mytilus edulis 9256
Mytilus edulis: ANW, USA, Maine 12857
Nassarius obsoletus 6450, 9255
Noctiluca: ASE, Mediterranean 13359
Nucella lapillus: ANE, British Isles, Devon 6095
Oncorhynchus: I, Pacific 12040
Oncorhynchus kisutch 12049
Oncorhynchus tshawytscha: USA, Idaho 4107
Opsanus tau 10654
Osteichthyes 4010
Osteichthyes: USA, Ohio 4327
Palaemon elegans 7401
Panulirus argus 9309
Paranephrops 12915
Penaeus japonicus 13722
Peridinium cinctum: Israel, Kinneret L. 1332
Petroderma maculiforme 9572
Pisces 6295, 8737, 10629
Pisces: Africa 4097
Pisces: Canada, Quebec, Inland waters 6445
Pisces: I, Pacific 6451
Pisces: INE, California Gulf 9579
Pisces: INE, USA, California 9941
Pisces: USA 4086, 5555
Pisces: USSR, Inland waters 7490
Plecoptera: USA, Oregon 4213
Plectrocnemia conspersa: British Isles, Sussex 8679
Poecilia reticulata 12035
Pollicipes polymerus 5190
Polycelis felina 4105
Polychaeta: ISW, Malagasy Rep., Nosy-Be 7525
Pomphorhynchus laevis 8602
Porifera 6041
Potamopyrgus jenkinsi 4896
Potamothenix hammoniensis: Denmark, Esrom L. 12037
Protozoa: ASW, USA, Alabama, Mobile Bay 4243
Protozoa: USA, Michigan, Douglas L. 13168
Pulmonata 4941

- ana temporaria* 8438
angia cuneata: ANW, USA 11964
almo gairdneri: USA, Idaho 4107
almo salar 7394
almo salar: USA, New England 7395
enedesmus obtusiusculus 8535
ombridae: ASE 11919
alis fuliginosa: British Isles, Sussex 8679
olea solea: ANE, North Sea 13812
eleostei 11908
strahymena 10777
halassia testudinum: ASW, USA, Florida 12280
lapia rendalli: Africa, Zambezi R. 13172
lapia rendalli: South Africa, Natal, Pongolo R. 13172
racheloraphis 8531
richoptera 4104
ca pugnax 11699
ebrio 82 *Aeromonas* 8527
osteracea: ASW, USA, Texas, Redfish Bay 11496
 chemical composition: *Scenedesmus* 150
 3343
 eggs: *Oncorhynchus tshawytscha* 2021
 shery economics: Europe, Constance L. 2017
 ertidal environment: *Padina sanctae-crucis* 1672
 ineral industry 3349
 hytoplankton: INE, USA, Oregon 3073
 survival: *Penaeus merguensis* 2129

Environmental factors,
 6438
 W, Iraq, Euphrat R. Estuary 4190
 W, Iraq, Tigris R. Estuary 4190
 orld temperate regions 12195
anthamoeba 5184
ctinopterygii 9641
lgae 5181
lgae: British Isles, Wales, Nant-y-Moch
 Reservoir 11873
lgae: USA, Beartooth Mountains 8529
nguilla vulgaris 8586
stacus astacus: Germany, F.R., North-Rhine
 Westphalia 9530
bacteria 5201
bacteria: ANE, British Isles, Scotland, Tay Basin 13411
callinectes sapidus 10521
chironomus tentans 10534
craspedacusta sowerbii: USA, Inland waters 9167
culicoides: USA, North Carolina 9321
eschcherichia coli: ANW, USA, Chesapeake Bay, Rhode
 R. 2943
unicella cavolinii: ASE, Mediterranean 7140
oraminifera: ISW, India, Visakhapatnam,
 Chipurupalle 9696
illichthys mirabilis 7302
obiosoma ginsburgi 10742
ymenochirus boettgeri: Africa, West 8446
vertebrata 12142
ridaea cordata 13221
aminaria: ANW, Canada, Nova Scotia, St. Margaret's
 Bay 13406
ithostrotion martini 5899
ysmata seticaudata 13175

Meretrix meretrix 8192
Mytilus galloprovincialis 13175
Naegleria 5184
Notropis longirostris: USA, Mississippi, Jourdan
 R. 5179
Oligocottus 13177
Oncorhynchus kisutch: INE, USA, Oregon 11216
Phyllospadix torreyi 7397
Pisces 8833
Pisces: Brazil, Amazon R., Castanho L. 12105
Polyplacophora: ASE, Spain 11601
Salmo trutta: British Isles, Scotland, Aberdenshire, Loch
 of Strathbeg 7425
Salvelinus alpinus: Germany, F.R., Bavaria 8526
Spercularia media 7396
Tetrapoda: USA, Texas 10668
Trichodesmium: World Oceans 5965
Uca: ASW, USA, Texas 5183
Vibrio parahaemolyticus 119
Xenopus tropicalis: Africa, West 8446
 Gear selectivity 817

Environmental requirements,
 ASW, Sargasso Sea 7566
 Ponds: India 449

Enzymes,
 ASE, France, Fos Gulf 12077
Acetabularia 4799
Acetabularia mediterranea 8113
Achlya 11452, 11453
Algae 4784, 10347, 11531
Ambystoma maculatum 10676
Amphibia 8489, 13112
Anacystis nidulans 4790
Anguilla 10598
Anguilla anguilla 9403, 10599, 11802
Anguilla anguilla: ASE, Mediterranean 13339
Anguilla japonica 9446
Antimora rostrata 6288, 6289, 6291, 6292
Aphanomyces astaci 6530
Aptocyclus ventricosus 9446
Artemia salina 8304, 10507, 12904
Astacus astacus 10522
Asterias 12829
Asterina pectinifera 11585
Austropotamobius pallipes 8300
Azotobacter agilis: Poland, Olawa R. 2485
Bacteria 3049
Bagarius bagarius 3990
Balaenoptera acutorostrata 10671
Balanus balanoides 9257, 11698
Balanus balanus 9257
Biomphalaria glabrata 12870
Biomphalaria salinarum: South West Africa 2625
Brachydanio rerio 13003
Callinectes sapidus 11595
Carassius auratus 6304
Carassius carassius 9446
Carcinus maenas 6165
Cetacea 2459
Chaetoceros affinis 4788
Chamelea gallina 10452

- Chanos chanos* 11807
Charonia lampas 9262
Chlamys 4173
Chlorella fusca 12761
Chrysaora quinquecirrha 9230
Chrysemys picta 8453
Clarias batrachus 10627
Clostridium 3049
Cobitis rotundicaudata 9446
Condylactis aurantiaca 6064
Crassostrea virginica 6118, 6122, 10460
Crustacea 6177
Crustacea: ASE, Western Sahara 9688
Ctenopharyngodon idella 11790
Cyanophyceae 10357
Cylindrotheca fusiformis 4796
Cyprinus carpio 9446, 11790, 12365
Cystoclonium purpureum 10352
Daphnia magna: British Isles, England, Audley End 9680
Dasyatis pastinaca 8076
Dermasterias imbricata 9229
Ectocarpus 10336
Electrophorus 7311
Electrophorus electricus 7305, 11814
Engraulis mordax 2834
Entobdella soleae 2578
Escherichia coli 13894
Euglena gracilis 6072
Fulata alba 9446
Gadus morhua 6893
Galeocerdo cuvier 13008
Glyceria alba 12836
Glyceria convoluta 4864
Gnathonemus petersii 5081
Gobius 9428
Gona intestinalis 4046
Haliotis tuberculata 9870
Heteropneustes fossilis 13052
Holothuria forskali 8220
Homarus vulgaris 8220
Hydra littoralis 12820
Hydrobia 9267
Ictalurus punctatus 6279, 11808
Labeo rohita 13055
Latimeria chalumnae 13023
Lepomis macrochirus 11073
Loligo 6114, 6115
Loligo pealei 6764
Loligo vulgaris 2459, 10456
Lymnaea stagnalis 6126
Megathura crenulata 7185
Mercenaria mercenaria 6118, 6122, 10464
Metapenaeus monoceros 12918
Micrasterias americana 8127
Micropterus dolomieu 6306
Misgurnus anguillicaudatus 4014
Misgurnus fossilis 2813, 5097, 9397, 9447
Misgurnus mizolepis 9446
Modiolus demissus 9264
Mollusca 6177
Mya arenaria 8229
Mytilus californianus 4923
Mytilus californianus: INE, USA, Washington 9254
Mytilus edulis 6119, 9249, 9269, 10454, 11649
Mytilus edulis: ANE, British Isles, Devon 9253
Nematoda 4861
Nitella acuminata 9163
Nostoc muscorum 12762
Octopus dofleini 12873
Octopus vulgaris 6120
Oncorhynchus kisutch 13012
Oncorhynchus tshawytscha 9233
Oncorhynchus gorbuscha 9425
Ophicephalus argus 9446
Ophiocephalus punctatus 4021
Ophiura sarsi 10407
Orconectes limosus 9312
Orconectes virilis 12914
Oryzias latipes 13003
Palaemon serratus 9313, 11682
Panulirus homarus 3976, 3977
Paralithodes camtschatica 7870
Parhyale hawaiiensis 8290
Pelecypoda 9870
Penaeus 10505
Penaeus setiferus 6542
Phaeodactylum tricornutum 12123
Phocanema decipiens 11550
Pila globosa 12875
Pisaster brevispinus 9228
Pisces 4019, 5078, 5080, 6272, 6324, 6339, 6342
Pisces: ANE, Ireland 9424
Platichthys flesus 5074, 13020
Pluronectes platessa 8744, 12991
Psammechinus miliaris 6076
Pseudomonas 9112
Raja ocellata 8390
Rana 8076
Rana pipiens 8468, 9491, 10688, 13090
Rhodophyta 7125
Rita rita 8378
Sabella pavonina 6060
Salmo clarki 10597
Salmo gairdneri 1568, 2817, 7716, 8376, 8742, 9410, 9887, 13021, 13022
Salmonidae 6543, 10600
Sardina pilchardus 4012
Sclerodactyla briareus 11587
Scomber scombrus 7878
Scyliorhinus canicula 9426
Scylla serrata 11704
Scyphozoa 9221
Semotilus atromaculatus 9422
Skeletonema costatum 4788
Spirillum 9112
Spirographis spallanzanii 6060
Spisula sachalinensis 3937, 6106
Squalus acanthias 6315
Strongylocentrotus purpuratus 2582
Symplectoteuthis oualaniensis 6112, 6113, 6116, 6117
Teleostei 9428

- leosteii*: India 6271
leosteii: World temperate regions 9423
leosteii: World tropical regions 9423
letrahymena paravorax 4868
lunnus albacares 10618
lapia 10617
lathurus symmetricus 2834
lesus capax 12863
lubifex lubifex 10418
lenopus laevis 8467, 13009, 13091
lepiidae 9652
 alimentary organs: *Scomber scombrus* 1555
 anaerobic respiration 1272
 biochemistry: *Hizikia fusiformes* 146
 biochemistry: *Hizikia fusiformis* 147
 biochemistry: *Salmo gairdneri* 1570
 chemical analysis 321
 digestive glands: *Haementeria lutzi* 1379
 digestive system: *Pisces* 298
 electrophoresis: *Bivalvia* 202
 embryos: *Echinometra vanbrunti* 1378
Scylla serrata 240
 hatching: *Rana chensinensis* 310
 liver: *Charonia lampas* 1413
 muscular system: *Pisces* 1833
 nucleic acids: *Ophicephalus striatus* 2823
 regeneration: *Hydra* 1380
 respiratory organs: *Ascidacea* 311
 speciation: *Bivalvia* 202
- Pilimnion,**
 sedimentation: USA, Michigan, Douglas L., North
 Fishtail Bay 1152
- Phytophytes,**
 NE, Germany Fed.Rep., Sylt 12306
algae 7591
algae: ASW, USA, Florida, Anclote Estuary 2497
algae: INW, Japan 2496
vicennia marina: ISW, Egypt, Arab Rep., Ras
 Muhammad 11442
bacteria 11518
ceramiaceae: INW, Japan 8513
iliata 9187
diatomae: PSE, Campbell I. 8094
tomarus americanus 6836
aminaria coriacea: INW, Japan, Hokkaido,
 Hanasaki 12751
macrocytis: PSW, Arauco G., Chivilingo 2945
avicula fucicola: ANE, Norway 2511
ophrydium versatile: Austria, Lunzer Untersee 1926
rhodophysema georgii 7087
argassum muticum: ANE, British Isles, The Solent 334
vidontium tasmanicum: PSE, Campbell I. 8094
ostera marina: ANW, USA, North Carolina,
 Beaufort 4760, 6608
 thermal pollution: *Algae*: Canada, Alberta, Lake
 Wabamun 1988
- Equipment,**
 4294, 10264, 11297, 12189, 12342
 NE, Baltic, Luebeck Bay 10137
anguilla anguilla 5085
- Erosion,**
 8023, 9102
 America, Michigan L. 10190
 ANE, Wadden Sea 8012
 ANW 9067
 ANW, USA, New York Bight 3789
 ASE, Italy 10231
Geochelone gigantea: ISW, Aldabra Atoll 9798
- Erosion control,**
 9947, 9951, 9953
 ANE, Germany, F.R., Spiekeroog Isl. 8011
 ANW, USA, Mississippi Sound 9949
 ANW, USA, New York 3790
 ANW, USA, North Carolina 9952
 ANW, USA, South Carolina 5546
 ASW, USA, Florida 11148
 USA 9954
 USA coasts 12701
Angiospermae: USA, Texas 5550
Gramineae: ANW, USA, Texas, Padre I. 9950
Macrophyta: ISW, India, Goa, Miramar 10957
Spartina alterniflora: ANW, USA, North
 Carolina 4421, 9948
 Coastal erosion: ASW, USA, Florida 789
 Research programmes: USA 727
- Estuaries,**
 6657, 9036, 9762, 10094, 10095, 10111, 10112, 11276
 ANE, Bristol Channel, Severn Estuary 11129, 11131,
 11134
 ANE, British Isles, East Lothian 12166
 ANE, British Isles, Fife 12166
 ANW, Narragansett Bay 9037
 ANW, USA, Georgia 9934
 ANW, USA, Maryland, Patuxent R. 9763
 ANW, USA, New York, Long Island Sound 11376
 ANW, USA, North Carolina, Beaufort 9795
 ANW, USA, North Carolina, Pamlico R. 7041
 ANW, USA, South Carolina 9766, 9840
 ANW, USA, Virginia 11138
 ASW, USA 9722, 9840
 ASW, USA, Florida, Apalachicola Bay 11895
 ASW, USA, Georgia 5871, 8044, 8049, 8061
 ASW, USA, Georgia, Doboy Sound 8047
 ASW, USA, Georgia, Sapelo Isl., Duplin R. 8048
 ASW, USA, Texas 3702
 British Isles, Aberdeenshire, Ythan estuary 8040
 British Isles, Ewe L. 9787
 France, Mes R. 10248
 Hawaii, Honolulu, Ala Wai Canal 9507
 INE, USA, Oregon 3697
 INE, USA, Washington, Duwamish R. 8993, 8994, 9005
 ISE, Hawaii, Kaneohe Bay 9693
 ISE, New Zealand 8482
 PSE, Australia 5916
 USA, Georgia, Ogeechee R. 8045, 8046, 8644
 USA, North Carolina, Pamlico Estuary 8651
 USSR, inland waters 11398
Anguilla: ANE, Germany, Fed.Rep., Elbe
 Estuary 13783
Aves: ANE, Bristol Channel, Severn Estuary 11132
Copepoda: ANW, USA, Maryland 11137

Escherichia coli: ANE, British Isles, Liverpool

Bay 11350

Escherichia coli: ANW, USA, Chesapeake Bay, Rhode R. 12171

Mercenaria mercenaria: ANW, USA, South Carolina 11604

Pisces: PSW, South Africa Rep. 9340

Rangia cuneata: ANW, USA 11964

Rhithropanopeus harrisi 8739
3605

Water analysis (chemical): ANE, Germany, F.R., Elbe R., Cuxhaven 1177

Estuarine circulation,

ANE, Bristol Channel, Severn Estuary 10189

ASW, USA, Louisiana, Caminda Bay 9047

INW, Korea Rep. 5890

ISE, Ecuador, Guayas R. 9030

Estuarine fisheries,

ANE, Bristol Channel, Severn Estuary 11133

India 4500, 9963

USA 4530

Euphotic zone,

Austria, Woerthersee 3122

INW 12617

ISE 3114

South Africa, Hendrik Verwoerd Dam 8659

Eutrophic lakes,

2407, 12607, 13388

British Isles, Slapton Ley 3141

France, Etang de Berre 9778

Algae 9114

Algae: British Isles, England, Somerset 4658

Algae: British Isles, Northern Ireland, Neagh L. 13351

Corynebacterium autotrophicum 5960

Salmo gairdneri: Canada 11179

Algal blooms: *Bacteria* 122

Degradation: *Bacteria*: Switzerland, Mindelsee L. 124

Oxidation: *Bacteria*: Canada 67

Eutrophication,

4238, 5418, 5760, 6676, 6725, 8703, 9757, 9817, 11358

America, Great Lakes 8796

ANE, Baltic 3172, 8662, 13415

ANE, Baltic, Darsser Boddenkette 8628

ANE, North Sea 3076

ANE, Poland, Szczecin Firth 9687

ANE, Sweden, Stockholm archipelago 9861

ANW, Canada, Newfoundland 4366

ANW, USA, New Jersey 3075

ANW, USA, North Carolina, Pamlico R. Estuary 2380

ASW, USA, Texas 4395

Canada, Inland waters 8796

Czechoslovakia, Vltava R., Slapy Reservoir 7981

Denmark, Arresoe, L. 12129

Europe, Constance L. 8565, 13497

France 6622

Germany, D.R. 4417

Germany D.R., Mecklenburg 7980

Germany, D.R., Rappbode Reservoir 4317

Germany, F.R., Wahnbach Reservoir 8801

Netherlands, Flevoand Lakes 11084

Poland, Jaziorak L. 3089

Poland, Kortowskie L. 6614, 11364, 11366

Poland, Smolak L. 6593

Sweden 6571

Sweden, Ekoln L. 10136

USA, Michigan, Inland waters 13128

USA, Oregon, Cline's Pond 13391

USA, Utah, Tahoe L. 12276

USA, Washington, Long L. 5933

World inland waters 12259

World lakes 7670

World waters 7608

Algae 7436, 9796

Cyanophyceae: ANE, Baltic 9755

Sporocytophaga cauliformis 1277
3269

Eutrophication: USA, Tahoe L. 656

Lakes: USA, Tahoe L., Indian Creek Reservoir 654

Mortality causes: *Pisces*: Canada, Manitoba 2114

Primary production: *Melosira binderana*: America, Ontario L. 1843

Production (biological): *Carassius langsdorfii*: Japan, Okayama Prefecture, Kojima L. 469

Reservoirs: USA, Tahoe L., Indian Creek Reservoir 654

Salt marshes: ANW, USA, Virginia 60

Water quality: *Oncorhynchus nerka*: USA, Tahoe L. 656

Zooplankton: *Anabaena flos-aquae*: Germany, Fed. Rep., Baden-Wuerttemberg, Titisee L. 1842

Evaporation,

4697, 5481

ISW, Aqaba Gulf, Nabq 10236

Evolution,

6388, 8349, 8671, 12050, 12720

Atmosphere 11396

Biosphere 6935, 11396

Algae 5315

Amphibia 6323, 6419, 8624, 9486

Anabaena 9165

Anura 6381

Arthropoda 12719

Articulata: USA, Missouri 9180

Astartidae: ANE, North Sea 4885

Asterias 12829

Bacteria 3049, 9800, 10357

Bagridae 5030

Balanidae 4175

Bathygobius: ASW, Panama 10590

Bathygobius: ISE, Panama 10590

Belontiidae 7277

Blepharisma 9208

Bothriocephalata 6533

Carex 11475

Caudata 8433

Cephalopoda 3615, 6080

Cetacea 11838, 13341

Chelonia 11835

Chrysophyceae 11472

Cichlasoma nigrofasciatum 13189

Ciliata 5316, 8147

Copepoda 2984

Coregonidae 6213

- Cyanophyceae* 10357
Cyprinidae 10903
Cyprinodontidae 8543
Cicamptodon 10662
Cinoflagellata 5313
Ciplopus: World Oceans 7274
Ciplozoa 2564
Cchinoidea 10392
Cymidae 6547
Chippodonto oedipus 11625
Ctheria elliptica 11614
Cukaryota 9800
Curycea neotenes: USA, Texas, Kerr County 10881
Craminifera: ASE, Mediterranean 11282
Craminifera: Puerto Rico 4174
Crastrapoda 10423
Clycymeris 11983
Clypheididae 9290
Clyptothorax 11771
Conorhynchiiformes 5015
Craptoleidea 3066
Ceterodontus portusjacksoni 11803
Colithuria forskali 8220
Comarus vulgaris 8220
Cyanassa obsoleta 9246
Cyarachnida 5152
Cnsecta 3048
Cnvertebrata: PNW, White Sea 9094
Cnvertebrata: USSR, Baikal L. 6395
Cospondyli 9389
Celosira 7090
Cetazoa 10895
Collusca 12719
Collusca: Hungary 5766
Conopisthocotylea 6029
Cugilidae 10593
Cyochamidae 8213
Mytilus galloprovincialis 11624
Myxine glutinosa 10362
Ceogastropoda: ISE, California Gulf 12856
Cmmastrephes 4917
Cncorhynchus tshawytscha 9233
Cnithorhynchus anatinus 11849
Cstracoda: ASE, Mediterranean 11284
Cstreidae 8207
Ceridinium cinctum 3050
Cerissodus eccentricus: Africa, Tanganyika L. 7247
Cnacops rana 12787
Cisces 7503, 12935
Cisces: ANE, Ireland 9424
Cnakarhiidae 10489
Cleurodeles waltlii 13106
Cleuronectiformes 2807
Cogonophora 3901, 3904, 3905, 3906, 3915, 10369
Cprotozoa 5312, 5315, 12045
Craphoneis 7093
C reptilia 9475
Crhodophyta 10897
Crudista: ASW, Caribbean Isl. 3930
Salmo gairdneri 9442
Salmo salar: ANE, Baltic 9681
Salmo salar: PNW, White Sea 9681
Salmonidae 10597, 11732
Salmonoidei 10896
Sipuncula: World oceans 7154
Spirulina platensis 12774
Squilla mantis 12029
Symplectoteuthis 4917
Taricha granulosa 13106
Thunnus 12047
Triadinium minimum 1837
Trinucleidae 4955
Turbellaria 10389
Vertebrata 6047, 8462, 13109
Immunology: Vertebrata 1836
Mouth parts: Gnathichnus pentax 3617
Palaeontology: Cryptodira 2845
Speciation: Salmonidae 436
Speciation: Salvelinus 436
Water temperature: Pisces 1833
Excretion,
10263, 12721, 13357
USA, New Hampshire, Stonehouse Pond 13349
Algae: ASW, Bahama Is. 9779
Algae: PS, Antarctica 5855
Anabaena flos-aquae 12766
Carassius auratus 11076
Chlorella pyrenoidosa 12766
Crassostrea virginica 11646
Gambusia affinis 12225
Glyptonotus antarcticus 9573
Invertebrata 2460
Lamellidens corrianus 8224
Latimeria chalumnae 11819
Limnaea stagnalis 4931
Mercenaria mercenaria 11646
Meretrix meretrix 13450
Mollusca 12860
Mytilus edulis 13467
Petromyzon marinus 5072
Pila globosa 8226
Pila virens 8227, 8228
Pisces 2460, 13060
Prorocentrum micans 10345
Raja erinacea 11800, 11801
Salmo trutta 13046
Scenedesmus quadricauda 12766
Squalus acanthias 5098, 11800, 11801
Thalia democratica 11834
Nitrogen: Cyprinus carpio 1551
Excretory organs,
Conus flavidus 8206
Gillichthys mirabilis 8389
Lamellibrachia barhami 3903
Raja erinacea 11800
Squalus acanthias 11800
Thalia democratica 11834
Excretory products,
Algae: Canada, Ontario, Experimental Lakes Area 9771
Exoskeleton,
Cambaridae 12917

Expe

Experimental fishing,

- 6802, 6803, 9977
 ASE, Canary Is. 13769
 ASE, Spain, Galicia 12332
 ASW, US Virgin Is. 3477
 India, Hirakud Reservoir 13561
 INE, Puget Sound 11165
 ISEW, Hong Kong 13545
 ISW, India, Cochin 6809
 ISW, India, Kakinada 13560
 ISW, Persian Gulf 5568
 ISW, Yemen, Arab Rep. 6869
 PSW, Argentina 6846
Anguilla anguilla: ANE, Norway, Hardangerfjord 13552
Calanus finmarchicus: ANE, Norway 9703
Cancer irroratus: ANW, Canada 8817
Chionoecetes opilio: ANW, Canada 8817
Decapoda: ISW, Mascarene Is., Reunion I. 6800
Gadus morhua: ANE, Lofoten Is. 3384
Hyas: ANW, Canada 8817
Penaeus 13571
Pleuronectidae 9977
 Gear research: Egypt, Arab Rep., Nasser L. 3388
 Gear research: *Thunnidae* 834

Exploratory fishing,

- ANE, Baltic 12401
 ANE, North Sea 8851
 ANE, Spitzbergen 6876
 ASE, Balearic Is. 13771
 ASE, Canary Is. 6848
 ASE, Mauritania 2145
 ASW, Brazil 3437, 3438, 11206, 13753, 13754, 13757
 ASW, Brazil, Rio Grande do Sul 11210
 ASW, US Virgin Is. 3477
 ASW, USA 4494
 INE, Canada, British Columbia 6864
 ISE, California Gulf 7841
 ISEW, Malaysia 12398, 12399
 ISW, India 11215
 ISW, India, Cochin 6809
 ISW, Yemen, Arab Rep. 6869, 6949
 ISW, Yemen, Arab Rep. 10025
 PNW, Barents Sea 6876
 PSE, Australia, New South Wales 3431
 PSW, Argentina 6846
Bagrus bayad: Africa, Rudolf L. 10037
Beryciformes: ASW, Brazil 8847
Calamus bajonado: ASW, Campeche Bank 2177
Chlamys islandica: ANW, Canada, Iles-de-la-Madeleine 8844
Cichlidae: Malawi, Malawi L. 7839
Decapoda: ISW, Mascarene Is., Reunion I. 6844
Gadus morhua: ANE, Baltic 12400
Mallotus villosus: ANW, St. Lawrence Gulf 8845
Merluccius merluccius: ASE, Biscay Bay 13767
Nototodarus gouldi: PSE, Tasmania 11203
Penaeus: ASW, Brazil 11205
Penaeus brasiliensis: ASW, Brazil 966
Penaeus merguensis: ISEW, Carpentaria Gulf 4973
Pisces: ANE, Spitzbergen 6850

- Pisces*: ANW, Long Island Sound 7570
Pisces: ANW, St. Lawrence Gulf 8846
Pisces: ASW, Brazil 11207, 11208, 11209
Pisces: PNW, Barents Sea 6850
Scombridae: ASW, Brazil 13756, 13756
Scombridae: PSE, New Zealand 11212
Thunnus alalunga: PSE, New Zealand 11213
Thunnus albacares: PSE 4473
Trachyrhynchus scabrias: ASE, Alboran Sea 7840
 Coral reefs: *Pisces*: ASW, Jamaica 2149
 Economic analysis: America, Ontario L. 3626
 Fish catch statistics: ASE, Mauritania 2145
 Fishery surveys: PSE, Australia, New South Wales 2144
 Trawling: *Anchoviella*: ISW, India, Cape Comorin 2151
 Trawling: *Haemulon aurolineatum*: ASW, Campeche Bank 2170

Explosives,

- Pisces* 9919
 Pressure effects: *Pisces*: ASW, Puerto Rico 724

Eyes,

- 3968
Aeshna cyanea 3985
Ambystoma 9460
Ambystoma tigrinum 8479
Amphibia 8470
Anableps anableps 8416
Anchoa 9363, 8345
Aplysia 9268
Aplysia californica 11635
Argyrolepeus affinis 10644
Arius felis 6278
Artemia salina 13203
Astacus 10515
Carassius auratus 6325, 12969
Coccinella septempunctata 8314
Cyprinidae 13005
Cyprinus carpio 5043
Daphnia 8295
Discoglossus pictus 6354
Esox lucius 6240, 7297
Eupagurus 10515
Fundulus grandis 5026, 8336
Fundulus heteroclitus 10583
Histioteuthis dofleini 7181
Lamipetra fluviatilis 8355
Lethocerus 2740
Limulus 2919, 11696
Limulus polyphemus 10514
Lymnaea stagnalis 2647
Munida irrasa 2670
Nannacara anomala 8353
Nephrops norvegicus 5189
Notosudidae 8354
Oncorhynchus rhodurus f. macrostomus 13282
Orconectes limosus 9312
Pachygrapsus marmoratus 9308
Palaemonetes 8257
Pisces 7312
Porichthys notatus 10645
Pseudemys scripta 10700, 10701, 12969
Raja erinacea 12726

- ana esculenta* 7344, 8473
ana pipiens 10673
ana temporaria 2861, 7344
astrelliger kanagurta 13030
ulmo gairdneri: Malawi 10860
ulmo salar 8326
undalops melancholicus 6094
urdinella longiceps 13030
rylla serrata 12920, 12921
prattus sprattus: ANE, North Sea 7460
ngnathus typhle 8354
onius pavo 6094
leostei 8407
leostei: ASW, Brazil 8358
ca pugilator 8288
rodela: Romania 5109
hemical pollutants: *Carassius auratus* 1574
ytology: *Limulus polyphemus* 2671
mbryology: *Xenopus* 309
ormones: *Crustacea* 239
ltrastructure: *Carassius auratus* 2785
ltrastructure: *Elasmobranchii* 1497
ltrastructure: *Ophidiidae* 2763
ision: *Pisces* 1575, 2814
vestalks,
ca pugnax 6167
actory ships,
12318
ecal pellets,
ollusca: ASW, USA, Georgia, Sapelo I. 11000
allout,
6648
Pacific 5478, 5479
arm ponds,
12373
edia, Kausalyaganga 13369
edia, Killa 13369
SA, Oregon, Cline's Pond 13391
SSR, Inland waters 12345
cyprinus carpio: Hungary 13705
isces: USSR, Inland waters 12344
bastal engineering 851
economics 851
nvironmental factors 851
shery economics: *Cyprinus carpio*: Germany,
F.R. 2109
ttoral zone 852
arasites: *Hirudinea Osteichthyes* 1776
arasitic diseases: *Hexamita salmonis Salmonidae* 1708
ond construction 852
ntigue,
talurus melas 5083
ncorhynchus kisutch 9439
scses 9440
ulmo gairdneri 5083
rachurus mediterraneus 6336
rodela 9496
emperature effects: *Trachurus mediterraneus* 282
ats,
7590, 9004
ASW, Grand Cayman 13375
Acanthephyra 9300
Algae 2531, 2533, 8119
Allothun nus fallai 11978
Amphibia 8470
Anabaena ambigua 8107
Anchoviella 4028
Anoplopoma fimbria 10067
Antimora rostrata: ISE, Hawaii 6297
Aristeomorpha foliacea 3973
Asterias rubens 12827, 12828
Austropotamobius pallipes 9316
Balaenoptera 6365
Balaenoptera borealis 6366
Batillus cornutus: INW, Japan, Toyama Bay 9258
Bivalvia 5672
Bufo arenarum 9498
Calliactis parasitica 9004
Cancer pagurus 1461
Cephalopoda: ASE, Mediterranean 11638
Cetacea 5672
Chaetoceros simplex 4785
Chlorella ellipsoidea 6010
Chlorophyceae 9160
Chrysophrys major 13246, 13899
Cirripedia: ANE, British Isles 9304
Cirripedia: ASE, France 9304
Clarias batrachus 13032
Clupea harengus 1571, 2192, 12968
Clupea harengus: ANW, Canada 8373
Clupea pallasii: INW, Okhotsk Sea 9416
Clupeidae: ASE, Mediterranean 9402
Copepoda 13251
Copepoda: INE, Canada, British Columbia 6509
Corbicula sandai 8223
Crustacea 5672, 10499
Cyprinus carpio 9434, 10642, 11824
Echinaster 10406
Elasmobranchii 6335
Entamoeba invadens 2581
Eriocheir sinensis 1461
Euthynnus 13896
Gerris remigis 250
Gonyaulax tamarensis 10412
Invertebrata 12722
Laiaster leachii 6062
Lobophytum pauciflorum 8191
Mesodesma mactroides: PSW, Argentina, Buenos
Aires 9265
Microciona prolifera 9218
Mullus barbatus: ASE, Mediterranean 9402
Mytilus edulis 3939
Myxophyceae 9160
Neophocaena phocaenoides 9502
Nyctiphanes australis 11978
Ochromonas danica 6006, 10346
Ochromonas malhamensis 6010
Oncorhynchus nerka 9415
Ophicephalus striatus 13032, 13911
Ostrea gryphea 9004
Oxyjulus californica 10067

- Pampus argenteus* 13878
Patinopecten yessoensis 9259
Penaes indicus 12380
Penaes japonicus 10504, 13236, 13738
Phymactis clematis 10405
Pimelometopon pulchrum 10067
Pisces 5672, 6299, 10615, 12473
Pisces: I, Pacific 7869, 7883
Pisces: ISE, Hawaii 6298
Placopecten magellanicus 8235
Pollachius virens: ANE, North Sea 5095
Polyplacophora 8246
Porphyridium 9158
Rana esculenta 2860
Rhodophyceae 11532
Salmo gairdneri 2986, 2987, 9413, 13914
Salmo salar 10853
Scomber japonicus 13873
Scomber scombrus 2184, 12467
Seriola quinqueradiata 13899, 13900
Spirulina 6000
Teleostei 6331, 7315
Thrissocleus 4028
Tilapia mossambica: India 4026
Trachurus japonicus 10619
Trichechus senegalensis 9503
Ulothrix aequalis 11533
Wallago attu: India, Inland waters 6322
Xenopus laevis 13094
Zoarces viviparus 6276
 Biochemistry: *Porifera*: ISW, Kenya 177
 Biochemistry: *Scenedesmus* 150
 Biosynthesis: *Copepoda*: INE, Canada, British Columbia, Saanich Inlet 238
 Chemical composition: *Pisces* 286
 Chemical composition: *Scorpaena porcus*: ASE, Black Sea 283
 Chemical composition: *Trachurus mediterraneus*: ASE, Black Sea 283
 Eggs: *Pisces* 2824
 Feeding behaviour: *Rhabdosargus holubi* 394
 Feeds: *Salmo gairdneri* 2110
 Fishery products 3538
 Food conversion: *Salmo gairdneri* 2097
 Lakes 2357
 Muscular system: *Scorpaena porcus*: ASE, Black Sea 283
 Muscular system: *Trachurus mediterraneus*: ASE, Black Sea 283
 Nutritional requirements: *Cyprinus carpio* 384, 385
 Nutritive value: *Pisces* 286
 Sediment analysis: INW, Japan 1165, 1230
 Water analysis (chemical): INW, Japan 1165
Fatty acids,
 Sediment analysis 11416
Fecundity,
Acartia tonsa 7399
Anguilla anguilla 12970
Balaenoptera: PS 13326
Barbus sarana: India, Kolleru L. 13320
Brachydeuterus auritus: ASE, Congo, People's Rep. 1821
Cilus montii: PSW, Chile 1546
Coilia ramcarati: India, Hooghly Estuarine System 8412
Copepoda: AS 3034
Copepoda: ASE, Mediterranean 3034
Culex tarsalis 8309
Gammaridae: USSR, Kremenchug Reservoir 2701
Gammarus olivii: ASE, Black Sea 2706
Gobius melanostomus 5050
Gobius melanostomus: ASE, Azov Sea 5050
Hiodon tergisus: Canada, Assiniboine R. 8362
Labeo bata: India, Kali R. 9388
Macrobrachium dayanum 12908
Macrobrachium lamarrei 12908
Mugil: ASE, Tunisia, Tunis L. 7486
Oncorhynchus keta: INW, Okhotsk Sea 430
Oncorhynchus keta: USSR, Kamchatka 5301
Oncorhynchus kisutch: America, Great Lakes 11789
Oncorhynchus kisutch: INE, USA 11789
Oncorhynchus nerka: USSR, Kamchatka, Dal'nee L. 5300
Paralithodes camtschatica: INW, USSR, Kamchatka 9199
Pentaneus quinquarius: ASE, Congo, People's Rep. 1821
Pisces 10585
Pleuronectes platessa: ANE, English Channel 9559
Pseudocalanus elongatus 7399
Pseudolithus: ASE, Congo, People's Rep. 1821
Pteroscion peli: ASE, Congo, People's Rep. 1821
Puntius sarana: India, Loni Reservoir 12987
Raja naevus: ANE, Irish Sea 7288
Scophthalmus maeoticus: ASE, Black Sea 5604
Stolephorus purpureus: ISE, Hawaii, Oahu, Kaneohe Bay 7497
Temora longicornis 7399
Thunnus albacares: ASE, Guinea Gulf 12026
Thunnus thynnus: A, Atlantic 13763
Trachurus trachurus: PSW, South West Africa 10801
 Correlation analysis: *Scomberomorus cavalla*: ASW, Brazil, Ceara 424
Feed,
Oncorhynchus kisutch 7823
Feeding,
 9807
Abarenicola pacifica 6498
Acartia clausi 13258
Anemonia sulcata 9620
Appendicularia 13077
Arthropoda 4257
Astropecten aranciatus 8566
Astrophyton 11982
Balanus balanoides 11694
Batillus cornutus: INW, Japan, Toyama Bay 9258
Bdellovibrio bacteriovorus 7618
Brevortia tyrannus: ANW, USA, North Carolina 9792
Calamoecia lucasi 4150
Calanus: ANE, North Sea 8634
Calanus helgolandicus 7445
Calliotoma 5268
Carcinus maenas 8576

- etacea* 9453
hionoecetes bairdi: INE, Bristol Bay 10829
hionoecetes opilio: INE, Bristol Bay 10829
itharinus: Nigeria, Kainji L. 11976
larias batrachus 8396
lupea harengus: ANE, Sweden, Asko-Landsort 9633
lopeoda 2981, 2984
lopeoda: ISE 3137
oregonus nasus 6822
rangon septemspinosa 12913
rocodylus niloticus: Africa, Inland waters 10663
rustacea 5246
yrpinus carpio 5253
aphnia magna 10509
aphnia pulex 13259
aphnia schoedleri 11969
reissena polymorpha: Poland, Mikolajskie L. 13409
sox lucius: British Isles, Frome R. 7233
sox lucius: British Isles, Stow R. 7233
sox lucius: USSR, Volga Delta 12285
uphausia superba 13249
vermannella balbo: ASE, Italy, Messina 2772
oettingeriidae 5265
adus morhua: ANE, Baltic 9538
aleus melastomus: ASE, Genoa Gulf 9636
ambusia affinis 7449
oniobasis clavaeformis 4145
olothuria: ASE, Mediterranean 8567
tomarus americanus 5705
tomarus gammarus 10512
hydra littoralis 13262
ydobia ventrosa 5250, 5251
abeo calbasu 12948
agodon rhomboides: ANW, USA, North Carolina 9792
amprometra klunzingeri: ISW, Aqaba Gulf 6063
eiostomus xanthurus: ANW, USA, North Carolina 9792
epomis macrochirus: USA, Texas 7442
ymnaea stagnalis 12865
macoma nasuta 5258
matuta lunaris 11989
mercenaria mercenaria 7714
mesogomphus lineatus 11974
ugil cephalus: ISW, Sri Lanka, Negombo Lagoon 13642
myoxocephalus quadricornis: ANE, Sweden, Asko-Landsort 9633
nematoda: PSE, Kerguelen Is. 8641
notropis longirostris: USA, Mississippi, Jourdan R. 5179
odontobutis obscurus 4154
ncorhynchus gorbusha: INW, Japan Sea 5249
nychochrinus 11982
ophiocephalus striatus: Philippines, Inland waters 7483
ophiocephalus punctatus 9606
ophiocephalus striatus 9631
paralichthys lethostigmata: ANW, USA, North Carolina 9792
paralithodes camtschatica: INE, Bristol Bay 10829
parathemisto japonica: INW, Okhotsk Sea 10736
periophthalmus cantonensis: INW, Japan, Ariake Sound 11907
pisces 6489, 10023
pisces: Maldives Isl. 4420
platichthys flesus: ANE, British Isles, Severn Estuary 13255
procellaria: PSW, New Zealand 9635
pseudocalanus elongatus: ASE, Black Sea 2935
salmo: USA, West Virginia, Spruce Knob Lake 5667
salmo gairdneri 11977
salmo salar 8326
salmo trutta 4143, 8574
salpa aspera: ISW, Great Australian Bight 6505
sarotherodon niloticus: Africa, Rudolf L. 9623
silurus glanis: USSR, Volga Delta 12285
stentor coerules 7604, 10856
strongylocentrotus droebachiensis 13387
temora longicornis 11654
tetrahymena pyriformis 8579
tribolodon hakonensis 13563
trichoptera: New Zealand, Wainui Valley Stream 4141
tursiops truncatus 5283
zoarces viviparus: ANE, Sweden, Asko-Landsort 9633
caesium: *Salmo gairdneri* 1736
 Seasonal variations: *Calamus bajonado*: ASW, Campeche Bank 2177
Feeding behaviour,
acanthaster planci 10843
acanthopagrus schlegelii 5269
acartia clausi 2982, 10762
actinopterygii 9641
aeolidia papillosa 7411
alosa pseudoharengus: USA, Michigan L., Green Bay 13267
amoeba proteus 6493
antimora rostrata 6192
arnoglossus imperialis: ASE, Biscay Bay 9638
arnoglossus thori: ASE, Biscay Bay 9638
astropecten aranciatus: ASE, France, Provence 9617
astrophyton 8577
aulostomus maculatus 10834
balanus trigonus 13200
brachycentrus occidentalis 7438
brevoortia tyrannus: A, Atlantic 9598
carassius auratus 2957
carpinus: India, Kanpur 8831
centrarchidae: USA, South Carolina 8750
cephalopoda 8212
chaetopterus varipedatus 2583
chaoborus flavicans: Poland, Mikolajskie L. 6610
chrysophrys major 13247
cirrhinia mrigala 6496
clemmys guttata: ANW, USA, Pennsylvania 8421
crangon crangon 5245
culcita schmideliana: ISW, Malagasy Rep., Tulear 11932
cyprinidae: India, Konar Reservoir 13256
cyprinidae: India, Tilaiya Reservoir 13256
cyprinidae: USA, Iowa, Clear L. 13266
daphnia pulex 4137
decapoda 9621

- Dicologlossa cuneata*: ASE, Biscay Bay 9637
Docinodus: Malawi, Malawi L. 6241
Dytiscus marginalis 10527
Echinolampas crassa 8179
Embiotoca lateralis: INE, USA, California, Santa Barbara 10832
Embiotoca lateralis: INE, USA, Santa Cruz I. 10832
Engraulis ringens: ISE, Peru 7448
Ephydatia fluviatilis 4153
Ericymba buccata: USA, Indiana, Vigo County 9624
Esomus danrica 13241
Etheostoma: USA, Oklahoma 10835
Eumetopias jubatus: INW, Kuril Is. 9629
Euphausiacea: I, Pacific 5261
Foraminifera 7453
Fratercula arctica 6487
Fulica atra 6500
Gadus morhua 6502
Galeus melastomus: ASE, Genoa Gulf 9636
Gasterosteus aculeatus 8541
Geloina proxima 10729
Gobionellus saggittula 10833
Hippoglossoides platessoides: ANW, Canada, Newfoundland 9672
Ictalurus melas: USA, South Dakota, Poinsett L. 10844
Labeo calbasu: India, Loni Reservoir 13223
Lagodon rhomboides 8568, 13252
Larus canus: USSR, Northern Kazakhstan, Naursum Reservation 8584
Larus occidentalis: INE, USA, California, Monterey County 8684
Lepomis 8563
Leptogorgia 10825
Marthasterias glacialis 9622
Menidia audens: USA, California, Clear L. 13181
Mopalia lignosa: INE, USA, California, Monterey Peninsula 8581
Mugil cephalus 10841
Mugil cephalus: ASE, Israel, Haifa Bay 380
Mugilidae: ASE, Sierra Leone, Black Johnson Estuary 11984
Mustela vison 9596
Myliobatis aquila: ASE, Tunisia 13254
Myoxocephalus scorpius 6502
Mytilus edulis 7450, 7455
Natica gualteriana 8575
Notropis: USA, Wisconsin, Roxbury R. 13389
Nuttallina californica: INE, USA, California 8580
Oculopinus brevis: ASE, Genoa Gulf 3986
Oncorhynchus gorbusha: INE, Alaska, Traitors Cove 9698
Opisthonema oglinum: ASW 9351
Orchestoidea tuberculata: PSW, Chile, Mehuin 6495
Orconectes immnis 2961
Orthogalumna terebrantis 7227
Orthopristis chrysopterus 13017
Pagurus bernhardus 11988
Penaeus: ISW, India 4148
Penaeus merguensis 5242
Percichthyidae: USA, Iowa, Clear L. 13266
Percidae: USA, Iowa, Clear L. 13266
Phylocentropus placidus 6485
Physa gyrina 10827
Platichthys flesus: ANE, British Isles, Severn Estuary 13255
Pleurobranchaea 10826
Pleuronectes platessa 9551
Pleuronectes platessa: ANE, Wadden Sea 9615
Pleuronectiformes 5252
Poecilia reticulata 8569
Pomatomus saltatrix: ASW, USA, Florida 7410
Pseudocalanus minutus 10848
Puntius pulchellus 13697
Pycnopodia helianthoides: INE, USA, Alaska, Prince William Sound 5264
Raja: ANW, USA 11985
Rana ridibunda 4152
Salmo gairdneri 6824, 8538
Salmo trutta: India, Beas R. 13257
Salvelinus alpinus: Austria, Achensee L. 10828
Sarotherodon niloticus: Africa, Rudolf L. 9623
Scyllorhinus canicula: ASE, Tunisia 11968
Scylla serrata: ISEW, Australia, Queensland, Moreton Bay 10847
Scylla serrata: PSW, South Africa Rep., Kowie Estuary 10847
Spinachia spinachia 9616
Spondyliosoma cantharus: ANE, British Isles, Devon 11981
Squalius cephalus: British Isles, Dorset, Stour R. 7426
Synodontis: Chad, Chad L. 1730
Teleostei 9334, 12945
Terebra gouldi: ISE, Hawaii 6086
Tetrahymena pyriformis 7456
Thunnus albacares: ISEW 9780
Thunnus obesus: ISEW 9780
Thysanopoda: INW 5243, 5243
Tonna galea 6465
Trimusculus reticulatus 8582
Tunicata 9618
Umbonium vestiarium: India, Vellar R. 5255
Viviparus georgianus: USA, Hudson R., Sawkill Tributary 7454
 Environmental effects: *Rhinoptera bonasus*: ANW, USA, Maryland 1927
 Food composition: *Ancylus fluviatilis*: Germany, Fed. Rep., Baden-Wuerttemberg, Black Forest 381
 Learning behaviour: *Balistes fuscus*: ISW, Aqaba Gulf 1699
 Predation: *Chiridius armatus* 1748
 Predation: *Pisces* 393
 Predation: *Toxotes* 1695
 Vertical distribution: *Sergestes*: ASW, Bermuda, Sargasso Sea 355
 Vertical migrations: *Daphnia*: USA, Michigan 1664
 Zooplankton 3263
Feeding mechanisms,
 9625
Acartia clausi 10845
Anemonia sulcata 9620
Arenicola marina 12785
Astrophyton 8577

- alanus balanoides* 7205
bryozoa 9619
collotheca 5247
euphausiidae 4139
cytophidae: INE, USA, Oregon, Newport 5257
innotheres maculatus 10839
ychodera flava 10851
mulium tescorum: USA, Colorado R. 8571
okophyra 6045
unicata 9618
- Feeding migrations,**
incorhynchus: USSR, Sakhalin 6444
astrelliger kanagurta: ISW 6193
- Feds,**
 7815, 10016, 12342, 13449
lgae 13879
alanus finmarchicus: ANE, Norway 9703
chrysophrys major 13246
oregonus fera 10005
ypirinidae 7818
yprinus carpio 11174, 12365, 13676
atalurus 12359
acrobrachium rosenbergii 12379, 13733
ammalia 11257
ugil parsia 13694
yltilus edulis 10020
naeus aztecus 13207, 13720
naeus indicus 12380
naeus japonicus 13245
scses 7799, 13237, 13664
ulmo gairdneri 7813, 8827, 12347, 12354, 12366, 12369, 13635
ulmo gairdneri: USSR 7808
ulmonidae 3403
ulmonidae: USSR 5603
ophthalmus maximus 10017, 13641
parus auratus 12355
lapia aurea: El Salvador 9998
lapia nilotica: Ivory Coast 10014
lapia nilotica: Ivory Coast, Bouake 10015
 Controlled conditions: *Panaeus kerathurus* 2132
 Fish larvae: *Artemia salina* 869
 Fish larvae: *Brachionus plicatilis* 869
 Fish larvae: *Tetraselmis suecica* 927
 Nutritive value: *Cyprinus carpio*: USSR, Inland waters 912
- Fertility,**
 13584, 13630
 SE, Spain, Castellon 12664
erchestia gammarellus 11685
undorina 1317
- Fertilization,**
 8828
 Poland, Smolak L. 6568
ufo arenarum 8435
adosiphon okamuranus 11194
iscoglossus pictus 5111
chinoidea 10393
ucus vesiculosus 5991
ambusia 6244
- Lepomis macrochirus* 9801
Lytechinus pictus 1385
Mytilus edulis 5504
Pollicipes polymerus 4977
Siboglinum fiordicum 3914
Strongylocentrotus purpuratus 2582, 11577
Urechis caupo 8176
 Genetics: *Biomphalaria glabrata* 19
- Fertilizers,**
 5423
 USA, Illinois 8702
 Algae: Tasmania, Inland waters 10163
Daphnia carinata: New Zealand, Mahinerangi L. 6585
Elodea canadensis 6478
Labeo rohita 13693
- Filter feeders,**
Acartia clausi 10845
Brachycentrus occidentalis 7438
Bryozoa 9619
Diaptomus oregonensis 9625
Meretrix meretrix 8192
Myadora 8213
Mytilus edulis 6124, 7190, 7450
Pagurus bernhardus 11988
Pinnotheres maculatus 10839
Simulium tescorum: USA, Colorado R. 8571
Stentor coeruleus 10856
Tunicata 9618
Umbonium vestiarium: India, Vellar R. 5255
- Filtration,**
 2353, 12189, 13603
Bacteria 2446, 2449
Euphausiidae 4139
Katylsia opima 1411
Marisa cornuarietis 11640
Mytilus edulis 6124
 Virus: USA, Arizona, Phoenix, Salt R. 11052
 Culture tanks 847
 Freshwater pollution 1947
- Financing,**
 13929
 France 13935
 ISEW, Philippines 13931
- Fins,**
Lampris guttatus 10560
Paraperis: ISEW, Ryu-kyu Is. 7272
Perciformes 7269
Percoidei 7269
Philometroides huronensis 8589
Pisces 8351
Xiphiidae 9652
- Fish,**
Salmo gairdneri 4460
- Fish catch statistics,**
 6860, 6895, 13531, 13562
 America, Erie L. 10039
 ANE 980, 3584, 3592, 7844
 ANE, Baltic 12424, 12425
 ANE, France 2061
 ANE, North Sea 3466, 12424

- ANW 12432
 ANW, Canada, Nova Scotia 5721
 ANW, Scotian Shelf 12433
 ANW, USA, North Carolina 11230
 ANW, USA, South Carolina 11230
 ASE, Africa, northwest 13573
 ASE, Balearic Isl. 13815
 ASE, Ghana 10043
 ASE, Greece 6898
 ASE, Mauritania, Nouadhibou 2158
 ASE, Mediterranean 11220
 ASE, Nigeria 2058
 ASE, South East Atlantic 11224
 British Isles 1234, 6863, 7891, 13817, 13818
 British Isles, Scotland, Forth R. 5424
 Germany, D.R. 6862
 Germany, F.R. 10040
 Germany, F.R., Baden-Wuerttemberg, Constance L. 6855
 IN, Bering Sea 12428
 INE 1306
 INE, USA 2263
 INE, USA, California 7846, 10045, 10046, 11229
 INW 1306
 INW, Yellow Sea 3458
 ISEW, East China Sea 3458
 ISW, India 4499, 501242
 PSW, South Africa 3464
 PSW, South West Africa 3464, 11226
 PSW, Southern African Coast 11225
 Sweden 3593
 Switzerland, Constance L. 6856
 Tanzania, Tanganyika L. 11221
 USA, Wisconsin 4512
 USA, Wisconsin, Escanaba L.; 4508
 USSR, Byelorussia 2168
 USSR, Caspian Sea 10977
 World Oceans 3592
 World waters 9969
Anguilla i ANE, German Bight 13775
Anguilla: ANE, Sweden 13778, 13782
Anguilla: British Isles 13827
Anguilla: Eire 13779
Anguilla: Europe, Constance L. 13776
Anguilla: Poland 13822
Anguilla: Poland, Narew R. basin 13780, 13781
Anguilla anguilla: ANE, Baltic 13828
Anguilla anguilla: ANE, Germany, F.R., German Bight 6805
Anguilla anguilla: Germany, Fed. Rep. 13777
Cervimunida johni: PSW, Chile, Quintero 5638
Chrysophrys major: ISEW, East China Sea 10038
Decapterus: ISEW, East China Sea 2159
Dentex macrophthalmus: PSW, Southern African Coast 11240
Engraulis japonica: INW, Japan Sea 10987
Gadidae: ANW 12430
Gadus morhua: ANW, St. Lawrence Gulf 8853, 8854
Heterocarpus reedi: PSW, Chile, Quintero 5638
Hippoglossus stenolepis: INE 3483
Hymenopenaeus diomedea: PSW, Chile, Quintero 5638
Katsuwonus pelamis: ASE 12420
Katsuwonus pelamis: I. Pacific 11223
Loligo opalescens: INE, USA, California 10044
Mahaira: A, Atlantic 13802
Mallotus villosus: AN 2166
Merluccius: PSW, Southern African Coast 11240
Merluccius bilinearis: ANW, Scotian Shelf 12431
Merluccius merluccius: PSW, South Africa 4504
Oncorhynchus: INE, USA, Alaska 10034
Oncorhynchus: USA, Alaska 10034
Panulirus argus: ASW, USA, Florida 3480
Paralichthys dentatus: ANW 12454
Paralichthys dentatus: ANW, USA, New Jersey 4166
Perca flavescens 2165
Physeter catodon: ISW 10048
Pisces: Germany, F.R., Bavaria, Constance L. 6857
Pisces: INE, Canada, British Columbia 6865
Pleuroncodes monodon: PSW, Chile, Quintero 5638
Pleuronectidae: ANW, St. Lawrence Gulf 8854
Pleuronectoidea: ANE, Baltic 4492
Pollachius virens: ANE 6858
Sardina: ASE, Portugal 980
Sciaenidae: ISW, Pakistan 13766
Scomber japonicus: INE, Pacific 10060
Scomber japonicus: INW, Japan Sea 10987
Scombridae: A, Atlantic 11218
Scombridae: ASE, Africa, northwest coast 12325
Scombridae: ASE, Africa, west coast 12413
Scombridae: ASE, Canary Is. 12414, 12423
Scombridae: ASE, Morocco, Ceuta 13798
Scombridae: ASE, West Africa 13859
Scombridae: ASW, Brazil 3476
Scombridae: ISW, Malagasy Rep. 5635
Scombridae: World Oceans 11879
Sebastes marinus: ANW 12453
Stizostedion: USA, Wisconsin, Mississippi R. 4511
Thunnus alalunga: A, Atlantic 13791, 13793
Thunnus alalunga: AN 13790
Thunnus alalunga: ANE 13795
Thunnus alalunga: ASE, France 13788
Thunnus alalunga: INE, Canada 13813
Thunnus alalunga: INE, USA 13813
Thunnus alalunga: ISE, Mexico 13813
Thunnus albacares: A, Atlantic 12021, 12419
Thunnus thynnus: ANW 4493
Thunnus thynnus: ANW, Canada 13845
Thunnus thynnus: ASE 13799
Thunnus thynnus: ASE, Biscay Bay 13796
Thunnus thynnus: ASE, Canary Is. 3797
Thunnus thynnus: ASW 4493
Trachurus trachurus: PSW, South West Africa 10886
Trachurus trachurus: PSW, Southern African Coast 11240
Xiphias gladius: ASE, Spain 13801
 Catch effort: *Thunnus albacares*: ASE, Senegal 2161
 Conferences 980
 Fishery products: *Mallotus villosus* 3494
 Fishery statistics: Denmark 4484
 Fishing gear: ASW, Brazil, Almofala 833
 Length-weight relationships: *Mugil capito*: Egypt, Arab Rep., Borullus L. 987

- lagic fisheries: PSW, Africa 3463
 Processing fishery products: *Merluccius*: PSW, South Africa 3492
 Reservoirs: *Osteichthyes*: USA, South Dakota, Oahe L. 7781
 Resource availability: *Katsuwonus pelamis*: IS 7853
 Seasonal variations: Netherlands, Tjeukemeer L. 2163
 Shellfish catch statistics: IN 3445
 Yield: *Pisces*: ASW, Brazil, Almofala 833
- fish conversion,**
 3554, 5669, 8860, 12468
 South Africa 4518
Urolophycis opilio 8861
Urophycis aeglefinus 6885
Urophycis 3513
 Centrifugation: *Decapoda* 3513
 3505
 Fishery products 3545
 Fishing vessels 2080
 Proteins 2190
- fish conversion factors,**
Urolophycis opilio 8862
Urophycis 4514
- fish counters,**
 Acoustic equipment: *Oncorhynchus nerka*: USA, Alaska 947
 Electrical conductance 841, 842
 Electrical conductance: British Isles, Lancashire 950
 Electronic equipment 840, 949
 Electronic equipment: Eire 829
 Guiding devices: Canada, New Brunswick, St. John R. 951
 Sonar 948
- fish culture,**
 5582, 5583, 5585, 5588, 11186, 12340, 13237, 13275, 13305, 13581, 13593, 13627, 13657, 13661, 13666, 13667, 13668, 13679, 13927, 13930
 Africa 881, 11183
 Colombia 13272
 Europe 13602
 Germany, F.R. 10041
 Germany, Fed. Rep. 13644
 Pacific 13623
 India 9963, 13689, 13691
 India, Barrackpore 13682
 India, Tarai 13695
 India, West Bengal 13688
 Indonesia 11169
 NW, Japan 13521
 NW, India, Hooghly-Matlah Estuary 13696
 Italy 13608
 Japan 13596
 Mexico 11188
 Nigeria, Kainji L. 3408
 North America 13662
 Norway 13663
 Philippines 13271, 13578, 13579, 13621, 13622
 Taiwan 12337
 USA 13607
 USA, southern states 13585
- USSR 6819, 8829
 World waters 7848
Abramis brama: USSR, Volga Delta 11175
Achenoglanis occidentalis: Ivory Coast, Bouake 10013
Anguilla anguilla 13616
Anguilla anguilla: ASE, Spain 13609
Anguilla anguilla: Japan 13620
Bacteria 9642
Carassius auratus 13645
Catla catla: Lybia 13652
Chanos 3402
Chanos: ISEW, Indonesia, Jepara 3400
Chanos chanos 13655
Chanos chanos: Fiji, Viti Levu, Ravi Ravi 3409
Chanos chanos: Indonesia 13614
Chirostoma: Mexico, Patzcuaro L. 13646
Cirrhinus mrigala: Lybia 13652
Clarias lazera: Africa 10010
Clarias lazera: Ivory Coast, Bouake 10011
Clarias macrocephalus 13673
Ctenopharyngodon idella 13651
Cyprinidae 5586
Cyprinidae: Czechoslovakia 12356
Cyprinidae: Israel, Ginnosar 7819
Cyprinidae: Japan 13636
Cyprinidae: USA, Illinois 13638
Cyprinidae: USSR, Inland waters 7805
Cyprinus: Germany, F.R., Inland waters 8756
Cyprinus carpio 8828, 12353, 12363, 13651, 13658, 13684, 13686
Cyprinus carpio: Germany, Fed. Rep., Ahrensburg 13634
Cyprinus carpio: USSR, Inland waters 5602
Cyprinus carpio: USSR, Volga Delta 11175
Elops hawaiiensis: Fiji, Viti Levu, Ravi Ravi 3409
Esox masquinongy: USA, Wisconsin 4463
Hypophthalmichthys molitrix: Israel, Kinneret L. 7817
Ictalurus 12358
Ictalurus punctatus 5584, 13650, 13904
Ictalurus punctatus: USA, Illinois 13638
Ictalurus punctatus: USSR, Inland waters 7806
Ictiobus: USSR, Inland waters 7806
Insecta 13170
Labeo rohita: Lybia 13652
Menidia menidia 12361
Micropterus salmoides: USA, Illinois 13638
Morone punctata: Mauritania, Nouadhibou 13677
Morone saxatilis: USSR, Inland waters 7806, 12343
Mugil cephalus: ISW, Sri Lanka, Negombo Lagoon 13642
Mugil parsia 13694
Mugilidae 6831
Mugilidae: India 6831
Mugilidae: Israel 2113
Oncorhynchus 13292
Oncorhynchus: INE, Canada, British Columbia 6833
Oncorhynchus: INE, USA, Washington 13633
Oncorhynchus kisutch 6832
Oncorhynchus kisutch: INE, Puget Sound 2104
Pisces 9993, 12371
Pollachius virens: ANE, Norway 11999

Fish

Polydactylus sexfilis: Hawaii 13624
Puntius pulchellus 13697
Rhamdia hilarii: Brazil 13659
Rhamdia quelen: Brazil 13659
Salmo gairdneri 7807, 8827, 12372, 13637, 13650
Salmo gairdneri: Norway 13209
Salmo gairdneri: USSR 7809
Salmo gairdneri: USSR, Inland waters 12346
Salmo salar: Canada, Newfoundland 13640
Salmo salar: USA, New England 7800
Salmonidae 13675
Salmonidae: Europe 5586, 13626
Salmonidae: Germany, F.R., Inland waters 8756
Salmonidae: INE, Canada, British Columbia 6834
Salmonidae: Japan 13636
Salmonidae: Norway 9664
Salmonidae: USSR 5603, 7804, 7811
Scophthalmus maximus 13278, 13645
Seriola quinqueradiata: Japan 13649
Siganus canaliculatus 10604
Siganus oramin 10001
Silurus glanis 13651
Sparus auratus: ISW, Israel, Eilat 13615
Sparus major: Japan 13649
Tilapia: Israel, Ginnosar 7819
Tilapia aurea 13647
Tilapia hybrida: Tropical America 11182
Tilapia melanotheron: Africa 6826
Tilapia mossambica 13631
Tilapia mossambica: Fiji, Viti Levu, Ravi Ravi 3409
Tilapia mossambica: Philippines 13717
Tilapia nilotica: Ivory Coast 10014
Tilapia nilotica: Ivory Coast, Bouake 10012
Tilapia nilotica: Tropical America 11182
Artificial feeding: British Isles 8830
Bacterial diseases: *Pisces*: Cuba 1721
Controlled conditions: British Isles 7812
Diseases: *Cyprinus carpio* 2103
Fishery economics: *Cyprinus carpio*: USSR 2124
Fishery management 889
Genetics: *Cyprinus carpio* 2111
Hybrids: *Tilapia*: Africa 882
Laboratory research: *Ictalurus punctatus* 2120
Laboratory research: *Lepomis macrochirus* 2120
Laboratory research: *Pimephales promelas* 2120
Laboratory research: *Salmo gairdneri* 2120
Manuals 2085
Operations research 894
Pond construction: ASE, France 853
Production (biological) 888
Production (biological): *Salmonidae*: Norway 3398
Rearing: *Salmo gairdneri*: Germany, F.R. 2234
Resource development 889
Resource development: Malawi 895
Resource development: *Ictalurus punctatus*: USA 3397
Therapy: *Pisces*: Cuba 1721
Water temperature: *Anguilla anguilla*: Germany, F.R., Emden 2105
Water treatment 880
Yield: *Anguilla anguilla* 853
Yield: *Penaeidae* 853

Fish eggs,

Acipenser gueldenstaedti 6231
Cheilopogon: ASW, Caribbean 6259
Harengula pensacolatae 6261
Reservoirs: Canada 2172

Fish farming,

Ictalurus: USA 12357

Fish handling,

2219, 2220, 2221, 3554, 4526, 7874, 8860, 8866
South Africa 6813
Chionoecetes opilio 8861
3505
Frozen products 3530
Processing fishery products: Nigeria, Kainji L. 1036

Fish larvae,

4730, 5523, 6262, 10817, 12036
ANE, Eire, Galway Bay 6562
ANW, Northumberland Strait 12111
ASE, Mediterranean 9694
ASW, USA 4478
ISW, India, Kerala 9709
Anguilla: ANE 13343
Anguilliformes: ASW 6227
Channa punctatus 13683
Cheilopogon: ASW, Caribbean 6259
Clupea harengus: ANE, Norwegian Basin 5663
Congridae: INW, Kuroshio Current 7257
Coris julis 13672
Cyprinus carpio: USSR, Inland waters 12370
Dicentrarchus labrax 13674
Exocoetidae: AS 7242
Glyptocephalus cynoglossus: ANW, USA, Virginia 2174
Harengula pensacolatae 6261
Hemirhamphus xanopterus: ISW, Iraq 13134
Heterosomata: INE, California Current 12395
Heterosomata: ISE, California Current 12395
Lepturacanthus savala: ISW 6232
Mallotus villosus: ANW, St. Lawrence Estuary 2169
Menidia audens: USA, Texas, Texoma L. 10592
Morone 13184
Notolychnus valdiviae: AS 6226
Paralichthys dentatus: ANW, USA, New Jersey 4171
Pseudopleuronectes americanus: ANW, USA, Long Island Sound 5522
Siganus oramin 10001
Thunnus albacares: ASE 12027

Fish meal,

4520, 4526, 8876, 10068, 11269, 12500, 12501
Cephalopoda 13207
Mytilidae: Mauritania 13887
Opisthonema oglinum: Brazil 3529
Pisces: World oceans 7876
Salmonella 8881, 8889
Sardinella longiceps 4521
Cost analysis 1066
Fisheries resources: World Ocean 1039
Food conversion 3537
Nutritive value 1040, 1041, 1042, 1044

- processing fishery products 3540
 processing fishery products: *Cyclopterus lumpus* 2189
 resource development 3536
fish meal processing,
 3535
fish oil extraction,
 10062
Epistemonema oglinum: Brazil 3529
Sardinella longiceps 4517
 numerical analysis 2195
fish oils,
 6891, 12473, 12500, 12501
Enoplopoma fimbria 10067
Clupeidae: World oceans 7876
Clupea harengus 2192
Clupea harengus: ANW, Canada 3403
Merluccius morhua 11259
Merluccius californicus 10067
Merluccius metopon pulchrum 10067
Clupeidae: World oceans 7876
Sardinella longiceps 4517
 biochemical analysis: *Scomber scombrus* 1564
 chemical extraction 3539
 fish meal: *Sardinella longiceps*: ISW, India 3546
fish protein concentrate,
 8875, 12474, 13421, 13882
 Germany, D.R. 5698
Engraulis ringens: Peru 11256
Engraulidae: India 4515
Engraulis 13889
Theragra chalcogramma 11258
Trachurus trachurus 10063, 10065
 chemical analysis 1045
 chemical composition 3544
 chemical extraction 3544
 fishing vessels 2203
 nutritive value 1043
 processing fishery products 3535
 processing fishery products: Canada 3520
fish pumps,
 South Africa 4457
fish solubles,
 7881, 12474, 12500, 12501, 13888
Enterobacter cloacae 13907
Cladiidae 7879
 processing fishery products 3540
fish wastes,
 5669, 8787, 9852, 9880
 Canada 8870
 South Africa 4518
Bacteria 3831
Fungi 3831
fisheries,
 7937, 10110, 12503
 NE 9404
 NE, Baltic 7893
 NW 12534
 NW, Canada 5727, 13541
 NW, Georges Bank 12314
 ASE 5559
 ASE, Canary Is., Sta. Cruz di Tenerife 13538
 ASE, France, La Rochelle 13537
 ASE, Guinea Gulf 3446
 ASE, Italy 2060
 ASE, Mediterranean 3456, 3456
 ASE, Nigeria 2058
 ASW, Caribbean 4436
 ASW, Cuba 4577
 Australia coasts 5556
 Bangladesh 1102
 British Isles 6794
 China, People's Rep. 2050
 France 12317
 India, Karnataka 12316
 INE, Canada 5727
 ISE, Peru 4435
 ISEW, Hong Kong 13536
 ISEW, Vietnam, Rep. 5775
 ISW, India, Goa 4451
 Japan 7935
 Mexico 7780
 PSE, New Zealand, Tauranga 13575
 Southeast Asia 7866
 Tunisia 3373
 World Ocean 7783
 Anguilla 2741
 Anguilla: ANE, Germany, Fed. Rep., Elbe
 Estuary 13783
 Anguilla: IS 6867
 Aves: USA, Mississippi R. 4396
Dissostichus mawsoni: PS, Antarctica 9342
Engraulis encrasicolus: ASE, Spain, Biscay Bay 13324
Euphausia superba: PS, Antarctic Ocean 3369
Halotis: PSE, Australia 5566
Homarus americanus: ANW, USA, New England 7198
Katsuwonus pelamis: ASW, Venezuela 3370
Osteichthyes: USA, Mississippi R. 4396
Pollachius virens: ANE 12411
Salmonidae: INE 12535
Sardinella: ASE, Ghana 11160
Sardinella aurita: ASE, Ghana 11160
Sardinella longiceps: ISW, India 3375
Scombridae: ASE 5558
Scombridae: ASE, West Africa 13859
Scombridae: ISW, Malagasy Rep. 5635
Sicyopterus: IS 6851
Siganus: IS 6851
Theragra chalcogramma: IN 7864
Thunnus albacares: A, Atlantic 3469
Thunnus albacares: ASW, Venezuela 3370
Thunnus obesus: A, Atlantic 3449
Thunnus thynnus: ASE 3447
 Bibliographies: USA 805
 Commercial species: *Panulirus*: ISE, Mexico 2055
 Life cycle: *Macrobrachium*: Mexico 2055
 Research institutions: Iceland 4
 Research institutions: Zambia 7
 Resource development: ASW, Cuba 2056
 Resource development: Cuba 2056
 Resource development: ISE, Peru 3489

Resource development: ISW, Jordan 2274

Trade: *Scombridae* 7895

Fisheries biology,

Scombridae: World Oceans 11238

Fisheries data,

13562

AN 1096

ANW, Canada, Newfoundland 5883

ASE, Senegal 7779

Australia 5726

Germany, F.R. 10081

Germany, F.R., Rhein R. 8812

Acipenser transmontanus: USA, Idaho, Snake R. 13857

Callinectes sapidus: ASW, USA, Mississippi Sound 8850

Gadus morhua: ANE 6873

Ictalurus punctatus: USA, Idaho, Snake R. 13857

Melanogrammus: ANE, British Isles, Scotland 5642

Melanogrammus aeglefinus: ANE 6873

Micropterus dolomieu: USA, Idaho, Snake R. 13857

Oncorhynchus tshawytscha: USA, Idaho 13698

Panulirus cygnus: ISW, Australia, Western

Australia 11213, 11232

Pisces: ASE 985, 986

Salmo gairdneri: USA, Idaho, Snake R. 13857

Salmonidae: USA, Idaho 13866

Scombridae: A, Atlantic 11218

Scombridae: ASE, Africa, west coast 12413

Thunnus: ASE 13803

Thunnus alalunga: A, Atlantic 12442

Thunnus maccoyii: ISW, Australia, Western

Australia 4443

Computer applications: *Clupea harengus*: ANE, Finland Gulf 984

Computer applications: *Clupea harengus*: ANE, Riga Gulf 984

Data processing 793

Mathematical models 977

Population parameters: *Pisces*: ASW, Jamaica 1030

Fisheries legislation,

PSE, Australia, Victoria 6915

Fisheries management,

12336, 12456, 12457, 12458, 12459, 12460

America, Michigan L. 13932

ASE, Mediterranean 12551

India 12451

Philippines 13819

Anguilla 13824

Anguilla: Eire, Shannon R. 13825

Anguilla: Eire, Wexford 13825

Anguilla: Poland 13549, 13821, 13823

Cetacea 13849

Ethmolosa: ASE, Morocco 12443

Mammalia 13847, 13848

Salmonidae 12326, 13864

Fisheries regulations,

5653, 11250, 11273

AN 7778, 7907, 7908, 7911, 7912, 7913

ANE 9404

ANE, Baltic 4556

ASW, USA, Florida 4555

Australia coasts 5755

Canada 4556

Ecuador 3600

Europe 4556

Europe, EEC 10090

Germany, F.R. 10089, 10090

Iceland 4556

ISE, Chile 13934

ISE, Ecuador 13934

ISE, Peru 13934

ISEW 12504

PSE, Australia, Victoria 6900, 6901, 6906, 6908, 6909,

6910, 6911, 6912

PSW, Chile 13934

USA 4510, 4544, 4551, 4552, 4553, 4554

Cancer pagurus: ANE, British Isles, Yorkshire 10086

Haliotis: PSE, Australia, Victoria 6866

Oncorhynchus kisutch: USA, California 3601

Penaeidae: Australia coasts 5734

Penaeidae: ISEW, Australia, Queensland 5733

Salmo salar: USA, Connecticut R. basin 7914

Scombridae: A, Atlantic 12439

Scombridae: Australia coasts 5658

Fishery organizations: *Hippoglossus hippoglossus*: IN, Bering Sea 2059

International agreements: France 1075

International exchange: ANE 1081

International organizations: France 1075

Fisheries resources,

5657, 7937, 10135, 13531

ANE 12526

ANE, Norwegian Basin 11727

ANW, USA, Massachusetts 4476

ANW, USA, Massachusetts, Hingham Bay 4536

ANW, USA, Massachusetts, Taunton River-Mount Hope Bay Estuary 4489

ANW, USA, Massachusetts, Wellfleet Harbor 4488

ASE 7526

ASE, Adriatic 12335

ASE, Africa, northwest 13573

ASE, Fishing area 34 7867

ASE, Guinea Gulf 12397

ASE, Mediterranean 7851, 11237

ASE, Nigeria 12311

Assad L. 8926

ASW 12410

ASW, Brazil 11206

ASW, Brazil, Rio Grande do Sul 11210

ASW, Mexico Gulf 9980

France 12546, 13540

Germany, F.R. 12450

India 4500, 12406

INW 9964

ISE, Mexico 6868

ISEW, Malaysia 12398, 12399

ISW 8989

ISW, Bengal Bay 12444

ISW, India 4499, 11215

ISW, Persian Gulf 12310

ISW, Red Sea 12310

Mexico 7780

- NW 12526
 SA 3644, 4530
 SA, Alaska 4507
 World ocean 2293, 5743
 World Ocean 10079
 World Oceans 7850
 World waters 7848
Anguilla: British Isles 13827
Cephalopoda: ANW, USA 6849
Chelonia: India 12407
Chelonia: ISW 6793
Clupea harengus: ANE, British Isles, Scotland 5643
Clupeoidei: ASE, Tunisia 3475
Decapoda: ASW 12462
Decapoda: ISW, India, Gujarat 12452
Engraulis petenense: USA, Nevada, Mead L. 5661
Euphausia superba: PSW, Antarctica 6847
Golothurioidea: IS, Pacific 11155
Lehrinus croceus: ISW 6534
Mallotus villosus: PNW, Barents Sea 11729
Melanogrammus: ANE, British Isles, Scotland 5642
Merluccius merluccius: ASE, Spain 4471
Micromesistius poutassou: ANE 8858
Micromesistius poutassou: British Isles 12492
Mistichthys luzonensis: ISEW, Philippines 6792
Mullidae: ASW, Jamaica 12446
Nontoceti: ISW, India 13784
Paralichthys gilchristi: PSW, South Africa 3482
Paralichthys argus: ASW, USA, Florida 3480
Pennaeus: ASW, Brazil 11205
Pisces: Germany, F.R. Rhein R. 5641
Pisces: Ghana, Volta L. 12435
Pisces: ISW, India, Gujarat 12452
Pisces: PS, Antarctic Ocean 5154
Rhinodon typus: ISW 6792
Scombridae: PSE, New Zealand 11212
Squalus acanthias: ANE, North Sea 8848
Teleostei: Hungary, Balaton L. 9336
Teleostei: INE, USA, California 10539
Teleostei: ISEW, Marshall Is., Eniwetok Atoll 11733
Thunnus: ASE, Africa 7867
 New species: *Pisces*: AN 1027
 Recruitment: *Oncorhynchus nerka*: Canada, Skeena R. 2173
 Resource development: World oceans 802
 Resource development: *Katsuwonus pelamis*: IS, Pacific 7842
Fisheries statistics,
 4483
 INE, British Isles 9965
 SE, Adriatic 12335
 SE, Balearic Is. 5634
 SE, Canary Is. 5660
 SE, Israel 13811
 SE, Mauritania 13534
 SE, Mediterranean 4442
 British Isles 6794, 6863
 British Isles, Scotland 3444
 11158
 Germany, F.R. 10042, 10078, 10085
 NE 1306
 INE, Canada 3443
 INE, USA, California 7846, 11219, 11229
 INW 1306
 Israel 13811
 ISW, Israel 13811
 Philippines 13522
 Tanzania, Tanganyika L. 11221
 USA 12500, 12501
 World waters 9969
 Zambia 11222
Argyrosomus nibe: ISEW, East China Sea 10050
Cancer pagurus: ANE, British Isles, Yorkshire 10086
Clupea harengus: ANE, British Isles, Scotland, Shetland Isles 5643
Cololabis saira: INW, Japan 13328
Euphausia superba: PSW, Antarctica 6847
Gadus morhua: ANW, Labrador Current 5644
Hippoglossoides platessoides: ANW, Canada, Newfoundland 2164
Hippoglossus stenolepis: I, Pacific 1090
Mallotus villosus: ANE, Norway 5636
Nephrops norvegicus: ASE, Jugoslavia 6853
Oncorhynchus kisutch: INW 8857
Oncorhynchus tshawytscha: USA, Idaho 13698
Palinurus: ANW, Canada, Newfoundland 5665
Panulirus pascuensis: ISE, Easter I. 5637
Scombridae 2287
Scombridae: A, Atlantic 12023
Thunnus alalunga: A, Atlantic 3453
Thunnus alalunga: ASE, Spain 13787
Thunnus thynnus: ASE, Biscay Bay 3454
 Computer programmes 982
 Industrial exchange: ASE 979
 International exchange 7894
 Resource management 24
 Sampling (statistical): ISW 983
 Trawlers: A, Atlantic 981
 Weather conditions: Egypt, Arab.Rep., Borullus L. 988
Fisheries surveys,
 ANW, USA, Rhode Island 4441
 INE, Canada, British Columbia 6864
 INE, USA, California, Santa Monica Bay 7728
Fishermen,
 5756, 13937
 ANW, Canada 5727
 ANW, USA 4533
 INE, Canada 5727
 Spain 13962
 Tunisia, Kelibia 7930
 Fisheries statistics: Sweden 3593
 Labour: Africa, Victoria L. 1082
Fishery biology,
 ANE, North Sea 6860
 ISEW, Philippines 13527
 PSE, Australia, New South Wales 3431
Alestes baremose: Africa, Rudolf L. 11719
Callinectes sapidus: ANW, USA, Mississippi 7862
Caretta caretta: ASW, Caribbean 811
Chelonia mydas: ASW, Caribbean 811
Concholepas concholepas: PSW, Chile 13313
Decapterus: ISEW, East China Sea 2159

Fish

- Dissostichus mawsoni*: PS, Antarctica 9342
Eretmochelys imbricata: ASW, Caribbean 811
Ethmalosa fimbriata: ASE, Gambia 11724
Gadidae: ANW 12430
Lates longispinus: Africa, Rudolf L. 11720
Lates niloticus: Africa, Rudolf L. 11718
Lutjanus campechanus: ASW, Mexico Gulf 4481
Menippe mercenaria: ASW, USA, Florida 10876
Merluccius capensis: ASE, South East Atlantic 10808
Merluccius capensis: PSW, South West Africa 10887
Merluccius hubbsi: PSW, Argentina 5659
Mugilidae: India 6831
Nephrops: ANE 10051
Nephrops norvegicus: ANE 1422
Nephrops norvegicus: ASE, Mediterranean 1422
Nototodarus sloani: PSE, New Zealand 13852
Panulirus pascuensis: ISE, Easter I. 5637
Penaeidae: Australia coasts 5632
Pleuronichthys cornutus: INW, Yellow Sea 2053
Pleuronichthys cornutus: ISEW, East China Sea 2053
Prochilodus cearensis: Brazil, 'Pereira de Miranda'
 Reservoir 11231
Tilapia melanotheron 6826
Upeneus moluccensis: ISEW 13809
 Parasites: *Cestodes Pisces* 1707
- Fishery development,**
 PSW, Argentina 6789
- Fishery economics,**
 8896, 13594
 America, Michigan L. 13932
 ANE, Baltic 12425, 12499
 ANE, British Isles 9965, 10088
 ANE, Iceland 10088
 ANE, North Sea 12499
 ANW 6897
 ANW, Canada, Nova Scotia 5721
 ANW, USA 4533
 ANW, USA, Massachusetts 4534
 ANW, USA, Massachusetts, Hingham Bay 4536
 ANW, USA, Massachusetts, Taunton River-Mount Hope
 Bay Estuary 4489
 ANW, USA, Massachusetts, Wellfleet Harbor 4488
 Australia 2231
 France 1075, 13540, 13935
 Germany, F.R. 10081, 10089
 Germany, F.R., Bavaria, Constance L. 6857
 Ghana, Volta L. 6888
 Greece 6898
 Hong Kong 13546
 India 12489
 Japan 12494
 Nicaragua 2218
 Philippines 13522
 USA, Massachusetts, Essex Bay 4535
 USSR, Ladoga L. 6899
Anguilla 13824
Crustacea 12495
Ictalurus: USA 12357
Ictalurus punctatus 13650
Loligo opalescens: INE, USA, California 10044
Lutjanus purpureus: ASW, Brazil 1068
- Macrozoarces americanus*: USA, New England 11270
Mytilidae 13706
Panulirus cygnus: ISW, Australia, Western
 Australia 11123, 11232
Pecten: ANW, USA, Maine 4369, 4370
Penaeidae: ASW, Mexico Gulf 11271
Penaeidae: ASW, USA 11271
Penaeidae: PSE, Australia, New South Wales 5722
Penaeus japonicus: INW, Japan 13739
Salmo gairdneri 13650
Salmonidae: INE, USA, Alaska 12493
 Fishing harbours: ASE, Turkey, Fatsa 2083
 Mathematical models: *Salmonidae* 1070
 Pelagic fisheries: ISEW, South Vietnam Rep. 1067
 Shrimps: ASW, USA, Texas 2230
- Fishery engineering,**
 3689
 Manuals 2047
- Fishery industry,**
 Africa 8813
 ANE, Baltic 7893
 ASE, Mauritania, Nouadhibou 2158
 Brazil, Rio Grande do Sul 7890
 Congo, People's Rep. 10076
 Eire 11158
 Germany, F.R. 10077
 Greece 6898
 India, Gorakhpur, Bakhira L. 11235
 Japan 7782
 PSE, New Zealand, Tauranga 13575
 USA 4549
 Education: Bahama Is. 3563
 Quality control: Bahama Is. 3563
 Resource development: Peru 3489
 Resource management 3620
 Substantial exchange: Mexico 2182
- Fishery industry equipment,**
 7874, 11304, 12468
- Fishery industry legislation,**
 India 4440
Cetacea: World Oceans 5664
- Fishery industry plants,**
 13882
 ANW, Canada, Quebec 8868
 ASE, Mauritania 13908
 Canada 8870
 India, Cochin 12471, 12490
 Spain, Vigo 13883
Buccinum undatum: ANW, Canada, Quebec 8869
Chionoecetes opilio: Canada 8867
 2187
 Sanitary engineering: USA 1037
- Fishery institutions,**
 4597
 France 13962
- Fishery management,**
 4501, 4598, 5561, 5563, 5653, 5654, 5655, 5656, 6788,
 6799, 10019, 10055, 11250, 12487
 Africa 8813
 AN 6950, 7049, 7778, 7905, 7907, 7908, 7909, 7910, 7912,

- 922
 IE 7906
 IW 6897
 E, Canary Is. 5660
 E, Fishing area 34 7867
 E, Italy 7852
 E, Mediterranean 7851
 E, 12498
 E, F.R. 10089
 E, F.R., Rhein R. 8812
 E, Bering Sea 5651
 E, Mexico Gulf 4531
 E, Philippines 13820
 E, Vietnam, Rep. 5775
 E 6790
 E, India, Orissa 6880
 E 4442
 E 7782
 E, Australia, Victoria 6900, 6902, 6903, 6904, 6906,
 6908, 6910, 6915
 E, Southeast Asia 7866
 E 4510, 4545, 4547, 4549, 4550, 4551, 4552, 4553,
 4554, 4566
 E, New Hampshire 3632
 E, Oceania: World oceans 3376, 6351
 E, Oceania: ASW, Caribbean 803
 E, *Myxophrys major*: ISEW, East China Sea 10038
 E, *Crustacea*: PSE, Australia, Victoria 6905
 E, *Capoda*: ANE, British Isles, Norfolk 6861
 E, *Stenolepis*: I, Pacific 5652
 E, *Marinus americanus*: ANW, USA, Maine 4503, 11162
 E, *Macleayi*: PSE, Australia, New South
 Wales 5648
 E, *Cephalus*: Mexico, Tamiagua L. 8859
 E, *Phrops*: ANE 10051
 E, *Corrhynchus kisutch* 12364
 E, *Corrhynchus tshawytscha*: USA, Idaho 13334
 E, *Naidae*: ASW, USA 4496, 5645
 E, *Naidae*: Australia coasts 5649
 E, *Naidae*: ISW, Australia 5650
 E, *Naes plebejus*: ISEW, Australia, Queensland 5646
 E, *Naes plebejus*: PSE, Australia, New South
 Wales 5648
 E, *Mo gairdneri* 12364
 E, *Mo gairdneri*: USA, Idaho 13700
 E, *Mo salar*: USA, Maine 7771
 E, *Monidae*: USA coasts 4538
 E, *Monidae*: USA, Idaho, Selway R. 13856
 E, *Monidae*: USA, Idaho, Silver Creek 13867
 E, *Combridae*: Australia coasts 5658
 E, *Spratrus*: ANE, North Sea 1032
 E, *Unnus alalunga*: AN 3473
 E, *Unnus albacares*: A, Atlantic 3470
 E, *Unnus thynnus*: A, Atlantic 3474
 E, *Unnus thynnus*: ANW 4493
 E, *Unnus thynnus*: ASW 4493
 E, *Orsitis atun*: PSW, South Africa 4506
 E, Environmental effects 995
 E, Culture: *Anguilla anguilla*: Germany, D.R.,
 Seddin 2123
 E, Fisheries data 994
 Fisheries statistics 992
 Fishery oceanography 794
 Mathematical models 995, 1024, 1065
 Operations research 1065
 Resource development 1024
 Resource development: ISW 1028, 1029
 Resource management 12
 Stock assessment 990
 Territorial waters: INE, USA, Washington 11
Fishery oceanography,
 A, Atlantic 12039
 ANE, North Sea 6991
 ANE, Reykjanes Ridge 12393
 ISW 6787
 World Ocean 11399
Anguilla: ANE, Hanoe Bight 13782
Scombridae: ASE, Guinea Gulf 10150
 International exchange: Mexico 1100
 Predictions 59
 Research programmes: ISE, Peru Current 2150
Fishery organizations,
 10121, 11255, 12487
 British Isles, Northern Ireland 8923
 Canada, Nova Scotia, Dartmouth 12534
 India, Barrackpore 11156
 Tasmania 12533
 USA, California 12384
Salmonidae: Canada 12535
 Fishery management 794
 Research institutions: Canada 1098
 Territorial waters 794
Fishery products,
 5670, 5703, 10073, 12474, 12496, 13888
 ANW, Canada 8887
 ASE, Mauritania 13534
 Australia, Western Australia, Cheyne's Beach Whaling
 Stn. 13530
 Brazil 7900, 10084
 Germany, F.R. 8928, 10077, 10085
 ISW, Macarene Is., Reunion I. 6889
 Japan 1048
 Spain 10066
 USA 12478
Acipenseridae 8864
Buccinum undatum: ANW, Canada 8874
Cephalopoda 3498
Cephalopoda: Asia 13871
Cetacea 3488
Chionoecetes opilio: ANW, Canada 8874
Crustacea 6882
Echinodermata: Japan 3515
Engraulis ringens: Peru 11256
Enterobacter cloacae 13907
Gadidae 7879
Gadus morhua: ANW, Canada 8874
Leuciscus 12484
Merluccius gayi peruanus 12481
Octopus vulgaris: Brazil 3568
Oratosquilla nepa: ISW, India 4516
Pandalus borealis: ANW, Canada 8874
Parapenaeopsis stylifera 13909

- Penaeidae* 5701
Penaeus: ISE, Peru 4513
Physeter catodon 13885, 13886
Pisces 3488, 5701, 8864
Sardinella longiceps: India 3495
Scomber scombrus 7878
Selachii 1035
Tilapia: Ghana, Volta L. 11264
Vibrio parahaemolyticus 3564
 Human food 2204
 Marketing 3578, 3587
 Marketing: USA 1060
 Quality control 3485
 Resource development 3485, 3512
 Resource development: Africa 3510
 Resource development: USSR 3503, 3508
 Resource development: World Oceans 3510
 Resource development: *Pisces*: Peru 3522
 Shellfish: Japan 3515
- Fishery regulations,**
 PSE, Australia, Victoria 6902, 6903, 6904
Crustacea: PSE, Australia, Victoria 6905
- Fishery resources,**
 ANW, USA 4425
 ANW, USA, Massachusetts 4534
 Sweden, Moeckeln L. 11830
 USA, Massachusetts, Essex Bay 4535
 USSR, Inland waters 6989
Chlamys islandica: ANW, St. Lawrence Gulf 13761
Penaeidae: ASW, USA 4496
Penaeus: ASW, USA, Louisiana 4495
Placopecten magellanicus: ANW, St. Lawrence Gulf 13761
 Resource management 993
- Fishery sciences,**
 Books 2048
- Fishery statistics,**
 2236
 ASE, Adriatic 5633
 United Arab Emirates 4486
Stet sprattus: ANE, North Sea 1032
 Methodology 7845
- Fishery surveys,**
 6791, 9985, 9990, 10033
 Africa, Rudolf L. 10026, 10028
 ANE 3459
 ANE, British Isles, Cornwall 12403
 ANE, Finland 10035
 ANW, St. Lawrence Gulf 8846
 ANW, USA, New Jersey 12404
 ASE, Adriatic 11204
 ASE, African coast 12557
 ASE, Algeria 7849
 ASE, Balearic Is. 13771
 ASE, Canary Is. 13769
 ASE, Italy 11204
 ASE, Spain 13770
 ASW 12410
 ASW, Brazil 3437, 3438, 11206, 13753, 13754, 13755
 ASW, Brazil, Rio Grande do Sul 11210
 ASW, USA 4478, 4494
 Germany, D.R. 10047
 INW 4613
 ISE, California Gulf 7841
 ISE, Peru Current 2150
 ISEW 4613
 ISEW, Brunei 12398
 ISEW, Malaysia 4474, 4475, 12398, 12399
 ISEW, Sabah 12398
 ISEW, Sarawak 12398
 ISEW, Sunda Shelf 10031
 ISW, India 11215
 ISW, Persian Gulf 4612, 5568
 ISW, Yemen, Arab Rep. 6869
 Nicaragua, Nicaragua L. 5620
 PNW, Barents Sea 3459
 PSE, Australia, New South Wales 2143
 PSW, Argentina 6846
 PSW, South West Africa 13759
 USA, Idaho, Salmon Falls Creek Reservoir 13701
 USA, Michigan 2441
 USA, Ohio, Erie L. 4480
 USA, Wisconsin 4512
 USA, Wisconsin, Escanaba L.; 4508
Alestes baremose: Africa, Rudolf L. 10027
Ammodytes: ANW, Greenland 3435
Anchoa: ISE, California Gulf 11217
Anguilla anguilla: Eire 13826
Anguillidae: INW 4614
Anguillidae: ISEW 4614
Aristeomorpha foliacea: PSE, Australia, New South Wales 5647
Buccinum undatum: ANW, St. Lawrence Estuary 4472, 8841
Cephalopoda: ANW 969
Cephalopoda: ASE, African coast 12557
Cephalopoda: INW 5624
Cephalopoda: ISEW 5624
Chlamys islandica: ANW, Canada, Iles-de-la-Madeleine 8844
Chlamys islandica: ANW, St. Lawrence Gulf 8842, 13761
Clupea harengus: ANE 3430
Clupea harengus: PNW, Barents Sea 3430
Clupea sprattus: ANE, Norway 3433
Cyclopterus lumpus: ANW, Canada, Newfoundland 8849
Engraulis japonica: INW 5624
Engraulis japonica: ISEW 5624
Gadus morhua: ANE 10032
Hymenopenaeus sibogae: PSE, Australia, New South Wales 5647
Illex illecebrosus: ANW 13774
Loligo opalescens: INE, USA, California 4477
Lota lota: USA, Minnesota, Lake of the Woods 4502
Macruronus magellanicus: PSW, Argentina 13765
Mallotus villosus: ANE 10032
Mallotus villosus: ANE, Norway 13865
Mallotus villosus: ANW, Greenland 3435
Mallotus villosus: PNW, Barents Sea 3434
Melanogrammus aeglefinus: ANE 10032

- Merluccius merluccius*: ASE, Biscay Bay 13768
Merluccius merluccius: ASE, Spain 4471
Meromesistius pou tassou: ANE, British Isles 6872
Mullidae: ASW, Jamaica 12446
Mya arenaria: Canada, Quebec, Saguenay R. 2141
Phycophrops norvegicus: ANE, Irish Sea 7532
Propoda: ASE, Spain, Galicia 3436
Oncorhynchus: INE, USA, Alaska 964
Oncorhynchus kisutch: INE, USA, Oregon 11216
Oithonema libertate: ISE, California Gulf 11217
Osteichthyes 4444
Paranectes: ASW, Brazil 11205
Paranectes esculentus: Australia coasts 25
Piscis: USA, New Jersey, Barnegat R. 4479
Pagrus magellanicus: ANW, St. Lawrence Gulf 13761
Pseudosciaenops: PSE, Australia, New South Wales 5647
Salmo salar: Canada, New Brunswick 7802
Salmonidae: New Zealand, Christabel L. 11201
Salmonidae: USA, Idaho 13866
Salmonidae: USA, Idaho, Pend Oreille L. 13868
Scorpaenopsis sagas: ISE, California Gulf 11217
Scorpaenidae: ISW, Pakistan 13766
Scombridae: PSE, New Zealand 11212
Sebastes: ANE 10032
Sebastes: ANW, Canada 12409
Sebastes alutus: IN 7485
Sebastes acanthias: ANE, North Sea 8848
Sebastes zosterodion: USA, Wisconsin, Mississippi R. 4511
Sebastes albacares: PSE 4473
Sebastes japonicus: INW 5624
Sebastes japonicus: ISEW 5624
Sebastes luscus: ASE, Spain, Galicia 3436
Sebastes composition: *Osteichthyes*: USA, South Dakota, Oahe L. 7843
Sebastes lists: *Osteichthyes*: USA, South Dakota, Oahe L. 7843
Sebastes community composition: *Osteichthyes*: USA, South Dakota, Oahe L. 7843
Sebastes catch statistics: *Clupeoidei*: ASE, Mediterranean 3429
Sebastes geographical distribution: *Oncorhynchus gorbusha*: INE, Alaska 1674
Sebastes land fisheries: Peru 963
Sebastes migrations: *Oncorhynchus gorbusha*: INE, Alaska 1674
Sebastes gagic fisheries: Burundi, Tanganyika L. 934
Sebastes gagic fisheries: PSE, Australia, New South Wales 831, 1242
Sebastes pollution surveys: *Osteichthyes*: USA, Monongehela R. 2153
Sebastes population parameters: *Oncorhynchus gorbusha*: INE, Alaska 1674
Sebastes population parameters: *Osteichthyes*: USA, Monongehela R. 2153
Sebastes population parameters: *Osteichthyes*: USA, South Dakota, Oahe L. 7843
Sebastes remote sensing 931
Sebastes seasonal variations: *Mallotus villosus*: ANW, St. Lawrence Estuary 1820
Sebastes seasonal variations: *Mallotus villosus*: ANW, St. Lawrence Gulf 1820
Stock assessment: INE, USA, California, Alamitos Bay 1025
Stock assessment: ISEW, South Vietnam Rep. 2178
Stock assessment: *Mya arenaria*: ANW, Canada, Quebec 978
Stock assessment: *Pisces*: Burundi, Tanganyika L. 1018
Tagging: *Oncorhynchus gorbusha*: INE, Alaska 1674
Water quality: *Osteichthyes*: USA, Monongehela R. 2153
Fishery technology,
7881, 11255, 12334, 12491
India, Karnataka 12316
Penaeidae: Australia coasts 12483
Scomber 12465
Manuals 2047
Research institutions: Israel 6944
Research institutions: Sri Lanka 2265
Resource development 3484
Trawlers: Germany, D.R. 3381
Water circulation 1778
Fishing effort,
7861, 12457, 13562, 13816
ASE, Balearic Is. 5634
ASE, Balearic Sea 13858
Hong Kong 13545
India, Gorakhpur, Bakhira L. 11235
INW, Yellow Sea 3458
ISEW, East China Sea 3458
Anguilla: Poland, Narew R. basin 13781
Gadus merlangus: ANE, British Isles 8855
Katsuwonus pelamis: I, Pacific 11223
Nephrops norvegicus: ASE, Jugoslavia 6853
Pisces: ANW 12432
Pisces: ANW, Scotian Shelf 12433
Sebastes marinus: ANW 12453
Solea solea: ANE, North Sea 13812
Thunnus alalunga: A, Atlantic 12422, 12441, 13793
Thunnus alalunga: ASE, France 13789
Thunnus alalunga: ASE, Spain 13789
Catch effort: Zambia, Chishi L. 3439
Fishing mortality: *Lutjanus purpureus*: ASW, Brazil 425
Population density: *Panulirus*: ASW, Brazil, Ceara 972
Fishing gear,
2296, 4446, 4455, 5570, 5575, 6806, 6807, 7786, 9976,
11166, 12318, 12321, 13520, 13564
ASE, Balearic Is. 5634
ASW, Mexico Gulf 9980
ISEW, Philippines 13529, 13547
Philippines 13524
Algae: ANW, Canada, Chaleurs Bay 8811
Anguilla anguilla: ANE, Germany, F.R., German Bight 6805
Penaeidae: PSE, Australia, New South Wales 5567
Scomberesox saurus 13570
Scombridae: A, Atlantic 11218
8823
Gear research 3382
Stock assessment: Poland 1002
Fishing grounds,
ANW, USA, Rhode Island 4441

- ASE, Adriatic 12335
 ASE, Africa, northwest 13573
 ASE, Balearic Is. 13771
 ISW, India 11215
Euphausia superba: PS, Antarctic Ocean 3369
Katsuwonus pelamis: I, Pacific 11223
Panulirus: ASW, Brazil, Ceara 3457
Scombridae: ISW 6787
Thunnus alalunga 3471
 Community composition: INW, Yellow Sea 2147
 Community composition: ISEW, East China Sea 2147
- Fishing harbours,**
 2082, 12336
 Africa, Tanganyika L. 2081
 ANE, France, Brittany 846
 ASW, Bahama Is., New Providence 3394
 France, Lorient 8824
 Japan 12494
 Japan, Yaizu 13576
 Coastal engineering 3393
- Fishing industry,**
 ASE, Alboran Sea 7840
 Fisheries statistics: British Isles 2262
- Fishing methods,**
 13520
Elasmobranchii: ASE, Canary Is. 13539
Euphausia superba 3369
- Fishing mortality,**
 10054, 13863
 ASE, Tyrrhenian Sea 4442
Anguilla: Poland 13549
Gadidae: ANW 12430
Lepomis macrochirus 10054
Merluccius: PSW, South West Africa 11241
Penaeus japonicus: INW, Japan, Seto Inland Sea 13329
Penaeus latissulcatus: ISW, Australia, Western Australia 13786
Salmo salar: ANE, Baltic 10058
Theragra chalcogramma: INW, Japan Sea 7863
Thunnus 3371
Thunnus alalunga: ANE 13795
Tisbe holothuriae 12034
 Coastal fisheries: *Oncorhynchus gorbuscha*: INW, Okhotsk Sea 999
 Coastal fisheries: *Oncorhynchus keta*: INW, Okhotsk Sea 999
 Coastal fisheries: *Oncorhynchus kisutch*: INW, USSR, Kamchatka 996
 Marine fisheries: *Oncorhynchus gorbuscha*: INW, Okhotsk Sea 999
 Marine fisheries: *Oncorhynchus keta*: INW, Okhotsk Sea 999
 Yield 1022
- Fishing operations,**
 Books 2048
 Commercial species: *Pisces*: ASE, Turkey 3367
- Fishing vessels,**
 6798, 12318, 12320, 12334, 13520, 13543, 13558, 13564, 13570
 ANW, Canada 5727
- ASE, Africa, west coast 12413
 ASE, Canary Is., Sta. Cruz di Tenerife 13538
 Australia, South Australia, Adelaide 10082
 British Isles 7891
 Cuba 12319
 France 12498
 Germany, F.R. 9974
 Hong Kong 13546
 INE, Canada 5727
 ISEW, Philippines 13529
 ISW, Seychelles 9971
 Nepal, Pokhara Valley 13542
 Philippines 13524
 USA 6797
Ostreidae 13557
Penaeidae: PSE, Australia, New South Wales 5567
Scombridae: ASE, Canary Is. 12423
 Fishing power 839, 8815
 Fishing power: Italy 8814
 Manuals 2063, 2064
 Naval engineering 814
 Navigation laws 11274
- Fishways,**
Alosa pseudoharengus: ANW, USA 4402
Oncorhynchus tshawytscha: USA, California, Merced R. 7865
Salmo salar 7743
Salmo salar: Canada, Nova Scotia, Tusket R. 5529
Salmo salar: USA 7742
- Fixation,**
 3671, 10925, 12072
 USA, Wisconsin, Mendota L. 8677
Copepoda 8268
Mollusca 11434
Siganus 12488
- Fjords,**
 5760, 7990, 9043, 13422
 PNW, Barents Sea 10984
Euchaeta japonica 10837
Sprattus sprattus: ANE, Norway 12402
 Oceanography: PNW, Barents Sea 480
- Flood control,**
 4687, 5931, 8009, 10199, 10259
 ANE, Bristol Channel, Severn Estuary 10201
 Canada, Prairies R. 9051
 USA 7750
 USA, Georgia, Atlanta 4414
 USA, West Virginia 5535
- Floods,**
 Asia 12694
 Australia 12694
- Flotation,**
Clupea harengus 7321
- Flowmeters,**
 8970, 8972, 8979
- Fluorescence,**
 2303, 3663, 4625, 4642
 IS, Pacific 3105, 3112
 ISE, Peru 3105, 3112

- priniiformes* 8413
es 2816
chodology: Beggiatoales 1257
oride,
2569
ms,
818
orhynchus nerka 13468
d availability,
2108, 13403
enser: USSR, Inland waters 12349
guilla: Poland 13823
egonus: USSR, Inland waters 12349
es: ASE, Azov Sea 9640
es: ASE, Black Sea 9640
ichthys flesus: ANE, British Isles, Severn
stuary 13255
inibalism: Notonecta hoffmanni 1731, 1732
d chains,
144, 3289, 4367, 9806, 9811, 11861, 12095, 12715
E, Baltic 5492
W, Florida, Everglades 9788
land, Inland waters 10980
V, Japan, Sendai Bay 10951
V 12154
V, Aqaba Gulf, Solar L. 12157
A, Massachusetts, Fort R. 10995
A, South Dakota, Poinsett L. 10844
SR, Caspian Sea 10961
rld estuarine waters 9791
ra alba: ANE, Baltic 9783
ae 6650, 7593, 11097
tylus fluviatilis 4232
guilla: Poland 13823
es 3155
teria 8686
voortia tyrannus: A, Atlantic 9598
lanus helgolandicus 6710
meria 3070
sterosteus aculeatus: ANE, Baltic 9634
liotis discus 6689
rex 7593
sidacea 3070
trifastacus leniusculus: USA, California,
L. Tahoe 6606
es: ANE, Baltic 5244
es: India, Tungabhadra Reservoir 8578
ychaeta 7314
ozoa: ASW, USA, Alabama, Mobile Bay 4243
monidae: Canada, British Columbia 6601
haerotilus 8686
leostei: Sweden, Inland waters 12160
alassia testudinum: ASW, Jamaica, Kingston
Harbour 11970
systems 1838
od composition,
ramis brama: Sweden, Drottningholm, Malaren
12038
artia clausi 10845, 13258
artia negligens: ISW, Israel 6605
Alepisaurus ferox: INW, Japan, Suruga Bay 13248
Alosa pseudoharengus: USA, Indiana, Michigan L. 4151
Ambystoma gracile: Canada, British Columbia 5231
Astropecten aranciaceus 8566
Balaenoptera borealis 9639
Cephus columba: INE, USA, California 7447
Ceriodaphnia quadrangula 4142
Cirrhina mrigala 6496
Cirrhinus mrigala 12998
Citharinus: Nigeria, Kainji L. 11976
Crustacea: PN, Arctic 8687
Daphnia schoedleri 11969
Dichotrachelus grignensis 8313
Emerita talpoida: ANW, USA, North Carolina 10831
Fulica atra 6500
Homarus gammarus 10513
Ictalurus melas: USA, South Dakota, Poinsett L. 10844
Ictalurus punctatus 8564
Larus canus: USSR, Northern Kazakhstan, Naursum
Reservation 8584
Larus occidentalis: INE, USA, California, Monterey
County 8684
Limapontia capitata 6497
Mallotus villosus 13251
Matuta lunaris 11989
Mopalia lignosa: INE, USA, California, Monterey
Peninsula 8581
Murex insularum 4146
Neomys fodiens: Poland, Narewka R. 11967
Nuttallina californica: INE, USA, California 8580
Ocypode quadrata: ANW, USA, North Carolina 10831
Oncorhynchus: USA, Alaska, Prince William
Sand 10855
Ophiocephalus punctatus 8573
Orconectes immunis 2961
Penaeus: ISW, India 4148
Phocaena phocaena: ANE, Denmark 2993
Pisces 6489, 12466
Pleuronectiformes 5252
Rana ridibunda 4152
Rhinodoras d'orbignyi 4147
Salmo gairdneri 12362
Siganus spinus: ISEW, Guam 6499
Stentor coeruleus 10856
Stomatopoda 10468
Teleostei: ANE, Baltic 13263
Trichoptera: New Zealand, Wainui Valley Stream 4141
Tricladida 4144
Tubifex tubifex 2990
Stomach contents: *Asellus aquaticus* 386
Stomach contents: *Gammarus pulex* 386
Food consumption,
2983
Esox lucius: ANE, Finland, Oulujoki Estuary 13321
Perca flavescens: USA, New York, Oneida L. 10854
Scylliorhinus canicula: ASE, Tunisia 11968
Food conversion,
Calanus helgolandicus 11958
Chrysophrys major 13246
Copepoda: ISE 3137
Cyprinus carpio 11174, 12363

Esox lucius: ANE, Finland, Oulujoki Estuary 13321
Mammalia 11257
Ophiocephalus punctatus 8573, 9606
Parastichopsis parvimensis: ANW, USA, Connecticut,
 Santa Catalina I. 12784
Polyacanthus cupanus 8558
Salmo gairdneri 2989, 7813
Scophthalmus maximus 2989
Tilapia mossambica 11972, 11975

Food organisms,

PSW 8907
Acartia clausi 2982
Algae: India, Kanpur 8831
Barypeithes pellucidus: USA, Pennsylvania 11979
Calanus 10684
Conopeum tenuissimum: ANE, Chesapeake Bay 9627
Copepoda: ISEW, Indonesia, Jakarta Bay 8562
Cyanophyceae: USA, Massachusetts 10842
Daphnia 10469
Diaptomus oregonensis 9625
Diatomaceae: USA, Hudson R., Sawkill Tributary 7454
Esox americanus vermiculatus: USA, West Virginia,
 Twelvepole Creek 11721
Hyriidae 4147
Invertebrata: USSR, Inland waters 7826
Merluccius merluccius: ASE, Adriatic 13239
Metapenaeus bennettiae 10841, 10841
Mugil cephalus 10841
Mugilidae: South Africa, St. Lucia Lake System 13240
Mycetopodidae 4147
Myliobatis aquila: ASE, Tunisia 13254
Myxoccephalus quadricornis: Finland, Lakes 6752
Neochetina bruchi: Argentina 13514
Nothopis: USA, Wisconsin, Roxbury Creek 12141
Oliva sayana 12153
Paralichthys olivaceus 10538
Perca fluviatilis 2991
Pisces: India, Tungabhadra Reservoir 8578
Pisces: New Zealand, Glentui R. 7441
Platichthys flesus: ANE, British Isles, Severn
 Estuary 13255
Plethodon wehrlei: USA, Pennsylvania 11979
Rutilus rutilus: USSR, Soligorsk Reservoir 6501
Salvelinus alpinus: Austria, Achensee L. 10828
Teleostei: ANE, Baltic 13263
Thalassia testudinum: ANW, USA 11459
Theragra chalcogramma: INW, Kuril Is. 9629
Uta: INE, USA, California, Monterey Peninsula 8581
 Larvae: *Trachurus japonicus* 1728
 Stomach content: *Lutjanus synagris*: ASW, Brazil,
 Ceara 1723
 Stomach content: *Pandalus borealis*: ANE, Norway,
 Oslofjord 1749

Food quality,

Sicyonia brevirostris: ASW, USA, Florida 10270

Food selectivity,

Poecilia reticulata 8569

Food technology,

5670, 5698, 6891, 7881, 8872, 10068, 10074, 10110,
 12478, 13920

Gadus morhua 12476
Gadus morhua: British Isles, Aberdeen 12477
Macrocystis pyrifera 6842
Pleurogrammus monopterygius 8888
Sebastes 13889
Vibrio parahaemolyticus 10071
Wallago attu: India, Inland waters 6322
 Fish wastes 2202
 Fishery products 1047
 Proteins 1049

Food webs,

Mugilidae: South Africa, St. Lucia Lake System 13240

Fossils,

8909
 ASW, USA, Georgia 8049
 British Isles 6929
 Germany, Fed.Rep., Baden-Wuerttemberg 13955
 Germany, Fed.Rep., Baden Wuerttemberg 13956
 I, Pacific 7925
 ISEW, Papua New Guinea 4910
 Madagascar 12967
 Switzerland 13956
 USA, California 10105
 USA, Minnesota, Elk L. 12513
Acanthodii 8915
Archaeolithophyllum 5967
Archaeolithophyllum missouriense 5967
Atherstonia madagascariensis: Madagascar 12967
Atopocoenia kugleri: Venezuela, Margarita Isl. 3898
Bacillariophyceae: Alaska, Kenai Peninsula 5768
Brachiopoda 7926
Bryozoa: Canada, Ontario, Toronto 12517
Callianassa major: ANW, USA, North Carolina 9297
Callista chione: ASE, Italy 6473
Centropomidae 3998
Cephalopoda: New Zealand, Kaipara 13953
Cephalopoda 3615
Colpichthys regis: USA, Arizona 11757
Conodontophyta chattanooga 5769
Crinoidea 9089
Dapsilodus: USA, Illinois 10103
Diatomaceae: USSR, West Siberia 7928
Diatomae 6954
Diatomae: Tethys Sea, central Paratethys 7927
Dinoflagellata 4767, 12810
Dinoflagellata: Chatham Is. 13950
Dinoflagellata: New Zealand, Taitai Mt. 13951
Echinodermata: ISW, Qatar 12512
Echinoidea: ISE, Chile 6019
Epithemia: USA, Alaska 6931
Foraminifera: New Zealand, Runaway Cape 13952
Foraminifera: USA, Alabama 9183
Fragilaria: USA, Alaska 6931
Gomphonema: USA, Alaska 6931
Heterotrypa: Canada, Ontario, Credit R. Valley 4804
Hydromedusa: South America 11841
Longusorbis cuniculosus: Canada, British
 Columbia 2669
Lyria mallicki: ISEW, New Caledonia 6087
Lyria santoensis: ISEW, New Caledonia 6087
Maedlerisphaera arabica: Iraq 13949

Mollusca 11647
Mollusca: ANW, USA 4176
Mollusca: ASW, USA 4176
Neoglyphea inopinata 9290
Nea: ANW, St. Lawrence Bay 12741
Neomorphia: Costa Rica 5764
Neostrea hebridica 8207
Neomutela subparallela: South Africa, Natal 6083
Nelecypoda 6467
Neacops rana 12787
Neocaena phocaena: Finland 12518
Neosiphonulus 10104
Neosces: France, Ile de France, Auvers 4580
Neosces: South Africa Rep. 3993
Neopirula: New Zealand, Kaipara 13953
Neogastrioceras oblatum: USA, Arkansas 12519
Neolobita: British Isles, Ayrshire, Girvan 13957
Neomarginites 6098
Neodichna: South Africa 11762
Neogenus: ISE, Chile 6090
Neogenus: PSW, Chile 6090
Neogalliserodus: USA, Illinois 10103
Neodiversity index: *Ostracoda*: ANW, USA, North Carolina 2242
Neology: ANE, Norway 1240
Neodicator organisms: *Foraminifera*: ASE, Mediterranean 3616
Neomorphology (organisms): *Ziphiidae*: Kenya 1585
Neodescription: *Foraminifera*: PSE, New Zealand 102

Neofouling organisms,
 5553, 12525
 NE, Germany Fed. Rep., Sylt 12306
 SE, Egypt, Arab Rep., Alexandria 7775
 SE, Italy, Civitavecchia Harbour 12303
 SE, Italy, Manfredonia 4430
 SE, Italy, Riva Trigoso Bay 4431
 SE, Ligurian Sea 12307
 SE, Romania, Constantza 12304
 NE, USA, California 6784
 N, Arctic 3363
 Algae 4736
 Algae: ANW, Canada, Chaleurs Bay 8811
Galanus improvisus: ASE, Black Sea 12302
Botryllus schlosseri: ASE, Italy, Genoa 4432
Oreissena polymorpha 3364
Malechiniscus greveni: ANE, France, Roscoff 11549
Hydroida: ASE, Italy, Civitavecchia Harbour 12299
Invertebrata: ASE, Black Sea 12300
Invertebrata: INW, Japan Sea 11154
Mollusca 5552
Mytilus galloprovincialis: ASE, Black Sea 12302
Placopecten magellanicus 7774
Thecacera pennigera: PSE, New Zealand 11618
Zoobotryon pellucidum: INW, Japan, Ago Bay 6782
 Community composition: ISEW, Hong Kong 2042
 Filtration: *Bacteria*: USA, Florida 791
 Research programmes: Japan 2044
 Reservoirs: *Limnoperna fortunei*: Hong Kong 792
 Seasonal variations: ANE, Menai Strait 2045

Seasonal variations: *Algae*: ANE, Denmark 2046
 Seasonal variations: *Algae*: ASE, Italy, Genoa 2046
 Seasonal variations: *Algae*: British Isles, Dorset 2046

Freezing,

Germany, F.R., Constance L. 10149
 PNE, Canada, Devon I., Radstock Bay 4695
Colossendeis: PS, Antarctica 9576
Glyptonotus antarcticus: PS, Antarctica 9576
Katsuwonius pelamis 13905
Linacina: PS, Antarctica 9576
Merluccius gayi peruanus 12481
Modiolus demissus 2651
Mollusca: ANE, Germany F.R. 11915
Odontaster validus: PS, Antarctica 9576
Orchomene plebs: PS, Antarctica 9576
Pisces 5714
Pseudopleuronectes americanus 11810
Rhincalanus gigas: PS, Antarctica 9576
Skeletonema costatum 12073
Sterechinus: PS, Antarctica 9576
Thunnus alalunga 13905
Trematomus bernacchi: PS, Antarctica 9576, 9576
 Storage: *Merluccius bilinearis* 2188
 Storage effects: *Pisces* 1062

Freezing storage,

8872
Aristichthys nobilis 13680
Callinectes sapidus 13902
Chlorella 11514, 11516
Chrysophrys major 13899
Cyprinus 11263
Escherichia coli 8883
Euthynnus 13896
Gadus morhua 5686, 6887, 8891, 12476
Gadus morhua: British Isles, Aberdeen 12477
Hypophthalmichthys molitrix 13680
Merluccius merluccius 5692
Pandalus jordani 13901
Penaeus setiferus 13915
Pisces 2219, 8892
Pisces: I, Pacific 7883
Sebastes 13903
Sebastes melanops 13901
Seriola quinqueradiata 13899, 13900
Sicyonia brevirostris: ASW, USA, Florida 10270
Thunnus zaccalles 13898
Urophycis chuss 5709
 Quality control: *Gadus morhua* 2214

Freshwater,

13449
 Venezuela, Andes 12115
 Algae: Canada, Labrador 8097
Pisces 11722
 Rivers: *Salmonidae* 1608

Freshwater aquaculture,

10087, 13661
 Germany, F.R. 8928
 Mexico 11188
 Philippines 13621
Acipenser ruthenus: USSR, Volga R. 8835

Coregonus nasus 6820
Coregonus peled 6820
Cyprinus carpio 5592, 8836, 12351
Cyprinus carpio: Germany, F.R. 10041
Cyprinus carpio: Germany, Fed. Rep. 12360
Macrobrachium 3410
Macrobrachium: Philippines 13717
Macrobrachium rosenbergii 6835
Oncorhynchus 11178
Penaeidae 13713
Pisces: Germany, Fed. Rep., Lower Saxony 5278
Pisces: ISEW, Indonesia 900
Pisces: Turkey 6828
Pisces: USSR, Inland waters 7803
Salmo gairdneri 6829, 13629
Salmo gairdneri: Germany, Fed. Rep., Hessen, Eder L. 12309
Salmo trutta 8826
Salmonidae 7888
Salmonidae: USSR 5603, 7810
Tilapia hybrida: Tropical America 11182
Tilapia nilotica: Tropical America 11182
Economics: *Cyprinus carpio* 2227
Fish culture: *Idalurus*: Italy 910
Parasites 1778
Parasitic diseases: *Pisces* 1709

Freshwater ecology,

4261, 5355
Africa, Kainji L. 8990
Africa, Rudolf L. 8930
British Isles, Blagdon L. 3142
British Isles, England, Lancashire 10954
Canada, British Columbia 6759
Czechoslovakia, Danube R. 11142
France, Corbieres 5929
Germany, Dem. Rep., Saale R. 5381
Germany, F.R., Elbe Estuary, Faehrmannssand 8650
New Zealand 7345
USA, Pennsylvania, Conowingo Pond 13508
USA, Virginia, Smith Mountain Reservoir 13509
Alestes baremose: Africa, Rudolf L. 11719
Algae: Africa, Rudolf L. 9761
Algae: USA, California, Shastina L. 3726
Algae: USA, New England, Connecticut River 4756
Algae: USA, Virginia, Chesterfield County, Apponmattox R. 12755
Bagrus bayad: Africa, Rudolf L. 10037
Chaoborus: Norway, Upper Romerike District 6424
Chironomidae: Canada, North West Territory, Char L. 9508
Desmidiaceae 6448
Diatomeae 5132
Dugesia tigrina: Netherlands 6413
Enallagma cyathigerum: British Isles, Cheshire, Dunham Park 5308
Gammarus varsovensis: Poland 2662
Insecta: New Zealand 7225
Invertebrata 4345
Invertebrata: Canada 3092
Invertebrata: USA, Alaska 3092
Invertebrata: USA, California, Shastina L. 3726

Lates longispinus: Africa, Rudolf L. 11720
Lates niloticus: Africa, Rudolf L. 11718
Micropterus salmoides: USA, Minnesota 1486
Myricaria: Germany, Fed. Rep., Rhine R. 2870
Ondatra zibethica: France, Alsace 1605
Ostracoda: Germany, Fed. Rep., Hamburg 2655
Pisces: Iraq, Shatt-al-Arab 13135
Pisces: Pakistan 6401
Plecoptera: Italy, Staffora R. 2889
Plecoptera: Norway 6425
Trichoptera: USSR, Ak-Bura R. 6390
Trichoptera: Zaire, Tshinganda/Luhoho R. 5358
Tricladida: British Isles, Caernarvonshire 4246
Zelandopsycha ingens: New Zealand, South I. 13120
Parasitic diseases: *Diplostomum spathaceum*: Europe, Constance L. 1773
Production (biological): Japan, Suwa L. 467
Production (biological): Japan, Yunoko L. 466
Production (biological): *Oncorhynchus*: Japan, Hokkaido Yurappu R. 471
Production (biological): *Pisces*: Japan, Nara Prefecture, Yoshino R. 472

Freshwater lakes,

7973
Canada, Inland waters 8796
Canada, Ontario, Canadian Shield 9006
Sweden 5864, 6571
Algae: British Isles, Anglesey, Newborough Warren 8653
Algae: Canada, Labrador 8098
Limnolacarus lanae: Java, Ranu Lamongan 9330
Pisces: Canada, Quebec 5143

Freshwater pollution,

4298, 4308, 5657, 6626, 7612, 13939
America, Erie L. 9016, 9071, 9510
America, Michigan L. 6184, 8735
Austria 6666
Brazil, Sao Paulo State 9917
British Isles, England, Lancashire 10954
British Isles, Wales, Cardiganshire 5499
Germany, F.R., Ginsheimer Altrhein 5920
Netherlands, Rhine R. 12203
Philippines 13427
Poland, Kortowskie L. 11365
South Africa, Rietulei Reservoir 11104
Sweden 5864
Sweden, Raadasjoen L. 4341
USA, Michigan 4318
USSR, Ladoga L. 12177
USSR, Lithuania, Inland Waters 12191
Bacteria 9837
Escherichia coli: ANW, USA, Chesapeake Bay, Rhode R. 12171
Invertebrata 4345
Pisces: Germany, Fed. Rep., Lower Saxony 5278
Pisces: Netherlands, Rhine R. 11105
Salmo gairdneri: Germany, F.R., Rhine R. 8741
Tubifex 7723
Pollution monitoring: Canada, British Columbia, Lower Fraser R. 506
Sewage: America, Erie L. 2304

Frozen products,

- 4527
 USA 11275, 12478
Chionoecetes opilio 6883
Micromesistius poutassou: Spain 10066
Latinopecten yessoensis 7887
 Pisces: British Isles 3592
Combridae: Spain 10066
Stomatopus cinereus 13919
 Fry,
Chanos chanos: Indonesia 13614
Cyprinus carpio 11187
Salmo salar 13050
Salmo salar: ANW, Canada, New Brunswick 11903
Salmonidae 11732
 Fuels,
 4446, 11430
 ANW, USA 3818
 Ungual diseases,
Candida albicans 2998
Channa striatus 8590
Homarus americanus 6836, 8596
Lagenidium 8596
Metarrhizium anisopliae: USSR, Kazakhstan 6528
Penaeus aztecus 6518
Penaeus setiferus 6518
Sphaerulina pedicellata Spartina alterniflora 3015
 Biological control: *Beauveria* 784
 Biological control: *Coelomomyces* 784
 Biological control: *Entomophthora* 784
 Biological control: *Lagenidium* 784
 Biological control: *Metarrhizium* 784
 Environmental effects 115
 Pores: *Myxosoma cerebralis* 1767
 Pores: *Salmo* 1767
 Gametes,
Mytilus edulis: ANE, British Isles, Devon 9253
 Sex determination: *Ectocarpus siliculosus* 2513
 Gametogenesis,
Acetabularia mediterranea 7110
Arenicola marina 8178
Chlamydomonas reinhardtii 12757
Coregonus 6253
Cyprinidae 10601
Globigerinella aequilateralis: ISE 9213
Lyllaella littoralis 11503
 Spawning seasons: *Haliotis*: INW, Korea Rep. 199
 Gases,
 6922, 13752, 13940
 ANW, USA, North Carolina, Cape Lookout Bight 10177
 Canada, Ontario 2408
 INW, Okhotsk Sea 7040
Aedes aegypti 8311
 Bacteria: USA, Wisconsin, Mendota L. 3800
Brevoortia tyrannus 9864
Callinectes sapidus 8298
Nereocystis luetkeana 7097
Salmo salar 9427
Salmonidae 13024
Wallago attu 3025

Biosynthesis: *Thalassia testudinum*: ASW, USA, Florida,

Cesar Creek 1225

Chemical analysis: USA 38

Cytology: *Algae* 1321

Monitoring 1168

Sediments 1226

Gear research,

4453, 5446, 5569, 6801, 6802, 6803, 7787, 9979, 11165,
 12321, 13556, 13569

USSR, Inland waters 5573
 8816

Net fishing 2072

Shrimps: USA 836

Gear selectivity,

6803, 8699, 12323, 13555, 13561, 13566

Anguilla: Poland 13550, 13551

Anguilla: Poland, Sasak Wielki L. 13310

Barbus tor: India, Govindsagar Reservoir 4452, 5572

Cyprinidae 6808

Gadidae: ANE 6878

Gadus morhua: ANE, Lofoten Is. 3384

Labeo: India, Govindsagar Reservoir 4452, 5572

Merluccius hubbsi: PSW, Argentina 12322

Merluccius merluccius 13567

Merluccius merluccius: ASE, Spain, Galicia 12332

Mystus seenghala: India, Govindsagar Reservoir 4452,
 5572

Nephrops norvegicus: ASE, Spain, Galicia 12332

Penaeidae: ISE, Mexico 11167

Penaeus 13571

Penaeus aztecus: ANW, USA, North Carolina 4454

Pisces 13770

Pisces: ASE, Adriatic 9981

Scomberomorus commersoni: ISW, India, Cochin 4498

Trachurus 13567

Trachurus trachurus: ASE, Spain, Galicia 12332

Trisopterus luscus: ASE, Spain, Galicia 12332

Electric fishing 823

Experimental fishing: *Merluccius merluccius*: ASE, Spain,
 Galicia 3385

Experimental fishing: *Trachurus trachurus*: ASE, Spain,
 Galicia 3385

Fishing gear 822

Fishing mortality: *Nemipterus japonicus*: ISEW 2154

Mathematical models: *Esox lucius* 821

Mesh regulations: *Pisces*: ASE, Congo, People's
 Rep. 2071

Net fishing: *Penaeidae*: ISW, India 3383

Stock assessment: Romania, Iron Gates L. 1003

Surrounding nets: Poland 819

Genetics,

6388, 13595

Abedus herberti 11716

Aeromonas hydrophila 11198

Algae: USA, West Virginia 11495

Ambystoma mexicanum 6375

Amoeba proteus 12814

Anabaena doliolum 7117

Anacystis nidulans 5990

Anguilla 10598

Anguilla anguilla 10599

- Apoglossum ruscifolium* 11497
Ascidia mentula 6360
Asellus aquaticus 8274
Asplanchna priodonta 11578
Bacteria 9800
Bathygobius: ASW, Panama 10590
Brachydanio rerio 5062
Caedobacter taeniospiralis 9108
Cancer pagurus 7213
Carassius carassius 13704
Chlamydomonas 2458
Cichlasoma: Mexico, Cuatro Ciénegas Basin 3054
Cichlidae 8623
Clamydomonas eugametos 1319
Cricotopus varians: ASE, Black Sea 2737
Cricotopus vitripennis: ASE, Black Sea 2737
Ctenopharyngodon idella 12992, 12995
Cyprinidae 10903
Cyprinus carpio 6243, 6251, 9393, 12995, 13274, 13658, 13704
Didymium iridis 10275
Echinoidea 10392
Emyidae 6547
Eudorina elegans 10323
Euglena 12756
Euglena gracilis 9130
Eukaryota 9093
Euplotes crassus 2579
Gambusia 8367
Geocrinia 8544
Gnorimosphaeroma 8620
Ictalurus punctatus 7289
Isospondyli 9389
Jaera ischiosetosa: ANE, Europe 8271
Kassina: Southern Africa 8547
Lepomis 10903
Macoma: INE, USA, Washington, San Juan Is. 4924
Menidia 10595
Menidia menidia: ANW 10624
Misgurnus fossilis 9397
Mnemiopsis leidyi 9200
Mytilus californianus 4923
Notoplana igiliensis 7160
Odontophrynus americanus 4048
Paramecium caudatum 9204
Paramecium tetraurelia 9202, 9203
Pinctada fucata 6549
Pinctada fucata: Japan, Ago Bay 6838
Pisces 2795, 2796, 6242, 10563
Platypoecilus maculatus 8368
Pleconema boryanum 13308
Pleurodeles waltlii 4049, 7339
Pleuronectes platessa 12991
Pleuronectiformes 2807
Pteriomorpha 3935, 3936
Pylaiella littoralis 4783
Rana 7333
Rana brevipoda 10679
Rana nigromaculata 10679
Rivulus cylindraceus 8363
Saccharomyces 2458
Salmo 5079
Salmo clarki 10597
Salmo gairdneri 5590, 9410, 12975
Salmo salar 12975
Salmo trutta 6250, 7291, 12975
Salmo trutta: Sweden, Bunnernsjoarna L. 11783
Salmonidae 10600
Salvelinus fontinalis 7291
Saprolegnia anisospora 4749
Tetrahymena pyriformis 4847, 8174, 10394
Tokophrya lemnarum 9210
Xiphiidae 9652
Xiphophoridae 11785
Xiphophorus helleri 8368, 12973
Xiphophorus maculatus 12973
Aquaculture: Crassostrea virginica 193
Aquaculture: Salmonidae 897
Chromosomes: Chlamydomonas reinhardtii 137
Chromosomes: Poecilia 1541
Development 1269
Fertility: Volvox carteri 1316
Fish culture 887
Hybridization: Gastropoda 191
Mutations: Paramecium caudatum 2577
Polymorphism: Ranidella: Australia 1829
Speciation: Laminaria 1826
Geochemical cycle,
 7045, 13963, 13964
 ASW, USA 13429
Geochemistry,
 2415, 2416, 4670, 7037, 8037, 10214, 11332, 11402, 12704
 AN 8025
 ANW, Labrador Sea 11405
 Australia, New South Wales - Victoria, Genoa R. 10218
 Hydrosphere 5854
 ISEW 7047
 USA, Minnesota 11411
Geographical distribution,
 America coasts 10713
 ANW, Canada, Nova Scotia 6718
 ANW, Greenland 5882
 ASE, France, Fos Gulf 12077
 ASE, Israel 3147
 ASW, Sargasso Sea 7566
 I, Pacific, North Western Basin 4671
 INE, USA 10953
 INW, Japan 10912
 ISE, USA 10953
 PSE, Australia, Victoria, Port Phillip Bay 9857
Abudefduf starcki: INW, Japan 8505
Abudefduf starcki: ISEW, Coral Sea 8505
Acanthaster planci: ISEW, Great Barrier Reef 7561
Acartiidae: ASE, Italy 3961
Acilius fraternus dismalus: USA, North Carolina 12927
Acilius fraternus dismalus: USA, Virginia 12927
Actinastrum hantzschii: India, Jammu 2899
Actinotrichia fragilis: ISEW, Philippines 8514
Aega stromi: ASE, Adriatic 10720
Aega stromi: ASE, Mediterranean 10720
Aeshna viridis: Germany, F.R., Schleswig-Holstein 95
Agarna cumulus: ASW, Guadeloupe 2892

- ae 10284
 ae: ANE 13362
 ae: ANE, British Isles 4114
 ae: ANW, USA, North Carolina 11868
 ae: ANW, USA, South Carolina 11868
 ae: ASE, Angola 6402
 ae: ASE, Greece 5332, 11465
 ae: ASW, Brazil, Atol das Rocas 9542
 ae: India, Kanpur 4082
 ae: INW, Japan 6405
 ae: INW, Japan, Choshi 10286
 ae: INW, Japan, Ibaraki Prefecture 2890
 ae: ISEW, Thailand 7088
 eronothrus: Holarctic Region 4095, 4096
 phibia: Czechoslovakia, Hron R. 10669
 phibia: Tunisia 10716
 hipoda: ASE, Canary Is., Fuertaventura 6148
 iospermae: British Isles, Scotland, Tweed R. 2923, 2924
 iospermae: Canada, British Columbia 12113
 uilla: Africa, Kariba L. 7493
 uilla vulgaris: ANE 8586
 locra laticauda: ASW, Guadeloupe 2892
 arcotodarwinella: PSW, British Antarctic Territory, Seymour I. 10439
 rrhais uttingerianus: ASE, Syria, Latakia 12515
 endicularia 13077
 haecocyathidae: INE, Canada, British Columbia 8910
 ocephalus gazella: PS 13846
 ne notialis: ASW, Brazil 1649
 yropelecus: INW 9367
 emia salina 10900
 ca islandica: ANW, USA 12506
 idiacea: ASE, France, Banyuls-sur-mer 5368
 idiacea: I, Pacific 9451
 idosiphon schnehageni: ISE, Guatemala 7153
 acus astacus: Germany, F.R., North-Rhine Westphalia 9530
 acus astacus: USSR, Inland waters 12139
 acus leptodactylus: USSR, Inland waters 12139
 eroidea: ASW, Mexico Gulf 3859
 eroidea: ISE, Chile, Eastern Islands 6025
 reptonema longispora: Germany, D.R., Mittershausen 10272
 rolepis 12516
 heya zachariasi: Chile, Hualpen, Laguna Verde 2886
 omate branchialis: ASE, Adriatic 2896
 us serratus: ANW, Canada, Nova Scotia, Canso Strait 10723
 otobacter: ASW, USA, Florida 10976
 illariophyceae: ANE, British Isles, Severn Estuary 12233
 illariophyceae: ISE, Peru Current 5346
 illariophyceae: USA, Delaware, Canary Creek 10288
 illariophyta: Canada, Labrador 6426
 eria: ANE, North Sea 5180
 eria: ANW, Chesapeake Bay, Rhode R. 2881
 aenoptera: PS, Antarctic Ocean 9547
 aenoptera acutorostrata: ASW, Brazil 9455
 Balaenopteridae: AN 13834
 Basommatophora: World Waters 11875
 Batrachemys: ASW, French Guiana 13085
 Bdellovibrio bacteriovorus 7618
 Berardius 9474
 Bivalvia: ISW, India 4429
 Bombina variegata: Poland, Inland waters 4084
 Bonapartia pedaliota 11740
 Bothriocephalata: World zoogeographic regions 6533
 Brachiopoda: ASW, Bermuda 4065
 Brachiopoda: PNE, Canada, North West Territory 7924
 Branchinecta paludosa: ANE, Norway 6412
 Branchinecta paludosa: ANE, Norway, Oppland, Yelsbotn 9531
 Branchiostoma plateae: ASW, Brazil, Ilha Grande 5138
 Bryophyta: British Isles, Scotland, Tweed R. 2923, 2924
 Bryozoa: ASW, Brazil, Ilha Grande 5137
 Bufo mauritanicus: Tunisia 8452
 Bufo regularis: Tunisia 8452
 Bythinella: Yugoslavia, Inland waters 12851
 Callianassa: PSW, South Africa Rep. 9520
 Callorhinus ursinus: IN 13842
 Calopteryx: USA, West Virginia 11710
 Cambaridae: USA, North Carolina 2692
 Caprella: INW, Korea 9534
 Caudofoveata: ANE, Norway, Bergenfjord 1643
 Centropyge resplendens: ASE, Ascension I. 5018
 Centrostephanus longispinus: ASE, Genoa Gulf 11541
 Cephalopoda: ASW, USA, Florida 11870
 Cephalopoda: INW, Japan 13140
 Ceramiales: INW, Japan 8513
 Ceramiales: ANW, USA, North Carolina 10714
 Ceratium egyptiacum: Egypt, Arab Rep., Suez Canal 4075
 Cerithium litteratum: ASW, USA, Florida 11603
 Cetacea 13064
 Cetacea: ANE, British Isles 9536, 9537
 Cetacea: ANE, France 8506
 Cetacea: ASE, France 8506
 Cetacea: ASE, Mauritania 13075
 Cetorhinus maximus: ANE 8498
 Chaetognatha: ANE, Eire, Galway Bay 7539
 Chaetognatha: ASE, Adriatic 9689
 Chaoborus: Norway, Upper Romerike District 6424
 Chaparrado flavescens: ANE, British Isles, Essex 6415
 Charonia lampas: ANE, British Isles, Cornwall 11592
 Chauliodes: USA, West Virginia 2911
 Cheilodipteridae: World Subtropical Regions 11744
 Cheilodipteridae: World Tropical Regions 11744
 Chelodina: New Guinea 13084
 Chelonia mydas: ASW, Surinam 4051
 Chodatella: Japan 6404
 Chondracanthidae: PSE, New Zealand 7482
 Chondrostoma: Italy, Garda L. 340
 Chrysichthys walkeri: Nigeria, Lekki Lagoon 10540
 Cittarium pica: ASW, USA, Florida 6423
 Clausocalanus: AN 12058
 Cliona celata: ANW, USA, New York, Gardiners Island 8135
 Cliona flavifodina: ASW, Bermuda 3889
 Clionidae 7135

- Clionidae*: ASW, Bermuda 3889
Cloridopsis bengalensis: ISW, India, Bengal 11667
Clupeidae: ASE, Spain 12977
Codium fragile: ASE, Italy, Lago di Faro 4079
Codium fragile: PSE, New Zealand 1646
Compsopogon oishii: Japan 5971
Conus typhon: ISW, Mozambique, Ilha Chiloane 10436
Copepoda: ASE, Mediterranean 11882
Copepoda: ASW, Jamaica 9271
Copepoda: ISW, Ethiopia 1435
Copepoda: ISW, India 4193
Copepoda: PSE, Southern Ocean 10709, 10911
Copepoda: PSW 10911
Coralliophila marrati: ASE, Angola 7367
Corixidae: USA, Colorado 4103
Corophium multisetosum: ANE, Baltic 6407
Corycaeidae: ASE, Mediterranean 4958
Coryphaenoides rupestris: ANW 12455
Cottidae: INE, USA, California 7447
Crangon crangon: ANE, Wadden Sea 8522
Craspedacusta sowerbii 9167
Craspedacusta sowerbii: New Zealand, North Island Lakes 7370
Crocodylus niloticus: Africa, Inland waters 10663
Crustacea 4080
Crustacea: USA 4086
Cryptonemiales: INW, USSR 9119
Ctenophora: ANE 6017
Cubozoa: ASW, Puerto Rico 4849
Culicidae: USA, Missouri R. 9323
Culicidae: USA, Platte R. 9323
Culicidae: USSR 6766
Cumacea: INE, USA, California 3952
Cydonium glariosus: ASW, Brazil 9177
Cymothoa oestrum: ASW, Guadeloupe 2892
Cypraea 11589
Cypraea: ISE, Hawaii 2613
Cypraea: ISW, Oman 2597
Cypraea onyx: ISW, Diego Garcia 2596
Cyprinidae: Pakistan, Haro R. 8323
Cyprinodon: USA, California 8621
Cyprinodontidae: ASE 7240
Dactylagnus: I, Pacific 7249
Dactyloscopus: ISE, America 9380
Daphnia: Germany, F.R. 10711
Daphnia ambigua: Belgium 4060
Decapoda: ANW, USA 3960
Decapoda: ASE, Aegean Is., Rhodes 10470
Decapoda: ASW, USA, Florida 10467
Delphinus delphis: INE 13758
Demospongia: PSW, Chile 8493
Dermatobranchius: INW, Japan 12849
Dermochelys coriacea: ASW, Brazil, Marajo I. 11831
Desmidiaceae: Japan, Inland waters 12750
Devonia perrieri: ANE, Scandinavia 9544
Diaptomus pallidus: USA, Virginia 4093
Diaptomus pygmaeus: USA, Virginia 4093
Diatomae: PSW, Antarctic Ocean 7368
Diatomae: Tethys Sea, central Paratethys 7927
Dicamptodon: Canada, Inland waters 10662
Dicamptodon: USA, Inland waters 10662
Dinoflagellata: ANE, British Isles 5155
Dinoflagellata: ISE, Tahiti 3078
Diplospinus multistriatus: PSW, Africa 9550
Dryopoidea: USA 1626
Dugesia japonica: INW, Japan, Southwest Is. 11570
Echinocardium cordatum 4823
Echinoderma: ASW, Brazil 4061
Echinodermata: PSE, New Zealand, Kauerua 9548
Echinodermata: PSW, Chile, Concepcion Bay 5129
Elasmobranchii: ASE, Canary Is. 13539
Emerita 9529
Endeis charybdaea: A, Atlantic 2919
Enhydra lutris: IN 13073
Erylia 2620
Erylus formosus: ASW, Brazil 9177
Eschrichtius robustus: INW, Japan 9562
Etheostoma acuticeps: USA, North Carolina, Tennessee R. 10710
Etheostoma squamiceps: USA, Indiana, Posey County 9350
Etrumeus teres: ISE, California Gulf 13772
Euchaetidae: ASW, Mexico Gulf 2690
Euphausia pacifica 10725
Eurydice: ISW, India 9272
Eurytemora affinis: ANE, Wadden Sea 8508
Euthecosomata: ISW 11880
Fistularia 11869
Foraminifera: ISW, India, Visakhapatnam, Chipurupalle 9696
Fungi: ASE, Romania 11881
Gadus morhua: PNW, Barents Sea 11730
Galaxias vulgaris: New Zealand, Glentui R. 10760
Gammaracanthus loricatus: ANW 11674
Gammarus duebeni: Canada 2661
Gammarus duebeni: Europe 2661
Gastropoda: ANW, USA, Delaware 3923
Gastropoda: USA, North Dakota, Sheyenne R. 11598
Glacidorbis: Australia 3925
Glacidorbis: South America 3925
Glacidorbis: Tasmania 3925
Gnorimosphaeroma: INW, Japan 4085
Gnorimosphaeroma: ISE, Hawaii 4085
Gnorimosphaeroma: PNW, USSR, Siberia 4085
Gobiomorphus: New Zealand 4007
Gobionellus boleosoma: USA, Massachusetts, Dartmouth 8497
Golfingia abyssorum: ASE, Europe, Iberian peninsula 10380
Golfingia improvisa: PSE, New Zealand 9186
Gonostomatidae: ISW 4073
Grampus griseus: PSE, New Zealand, Kauerua 9549
Gymnodinium: INW, Japan, Omura Bay 7519
Haemulon aurolineatum: ASW, Campeche Bank 2170
Haliclona loosanoffi: ANE, Netherlands 13132
Haliotis gigantea 10444
Halobates 6178
Halophila stipulacea: ASE, Aegean Is., Rhodes 7354
Halophila stipulacea: ASE, Cyprus 7354
Halophila stipulacea: ASE, Mediterranean 6400
Haplomiscidae: A, Atlantic 9278
Harpacticoida: ANE, Baltic 9682

- pacificoida*: PSE, Kerguelen Archipelago 9279
peropsyllus: ASE, Mediterranean 4969
erosomata: INE, California Current 12395
erosomata: ISE, California Current 12395
anchidae: PSW, South Africa Rep. 9341
poglossoides platessoides: ANW, Canada 3987
polyle longirostris: ANE, British Isles, Cornasall 2898
polyle varians: ANE, British Isles, Cornasall 2898
udinea: USA, Tennessee, Upper Stones R. 8134
alias malabaricus: ASW, USA, Florida 2913
ukius guyotensis: ISE, Hawaiian Ridge 6235
lophysa: ANW, USA, North Carolina 8598
rophilidae: Cayman Is., Grand Cayman 11706
poropus glabriusculus: British Isles, Scotland 10526
poropus longicornis: Germany, Fed.Rep. 1629
poropus piceus: Germany, F.R. 6421
rozoa: ANW, Cape Cod Bay 2543
hyscopus fasciatus: ISEW, Australia, Queensland 5158
rachnida 5152
oda: ASW, Brazil 5139
ophoridae: ISEW 11770
ophoridae: ISW 11770
idocera: America coasts 9518
idocera aestiva: ANW, Cape Cod Bay 6555
erheimia: Japan 6404
as anatifera: ANE 12059
idochelys olivacea: ISEW, Caroline Is, Yap, M'il Channel 2907
idopus caudatus: PSW, Africa 9550
ochela 11670
rinus crocineus: ISW 6534
ellula gaigei: Mexico, Mazatlan, Inland waters 12925
enes: British Isles, Scotland, Tweed R. 2923
naea stagnalis: USA, Michigan, Inland waters 5188
naea truncatula: Portugal, Inland waters 5150
odiscus skertchlyi: British Isles, Suffolk, Wokingham 12514
anassidae: PNW, Barents Sea 5153
oma balthica: ANE, North Sea 5767
rocystis pyrifera: World Oceans 13124
orourus berglax: ANW 12455
ia squinado: ASE, Mediterranean 11884
idae: I, Indo-Pacific 223
idae: ISW 3090
acostraca: ISW, Mascarene Isl., Reunion I. 2667
lotus villosus: PNW, Barents Sea 11729, 11730, 11731
ayunkia speciosa: USA, New York, Cayuga L. 8518
grethia obtusirostra 11740
actenopetalus kaibabanus: USA 11756
idotea entomon: ANE, Baltic 9538
oplodon densirostris: ISW, Mauritius 13155
roturbellaria: Kenya 10724
emiopsis leidy: ANW, USA, Virginia, York 10993
lusca: ASE 7375
lusca: ASE, Ascension Is. 2624
lusca: ASE, Cyprus 12840
Mollusca: ASW, France, Arcachon 5135
Mollusca: Austria, Keutschach L. Valley 1392
Mollusca: British Isles, Cambridgeshire, Great Ouse R. 8612
Mollusca: Guadeloupe 11876
Mollusca: Norway 6411
Mollusca: Windward Is., Grenada 2894
Monstrilloida 6128
Munidopsis 10715
Muraenesox: World Oceans 11766
Myctophum: World tropical regions 11742
Mysidacea: ASE, Aegean 4197
Mysidacea: ASW, Brazil 3948
Mysidacea: ASW, Curacao 2697
Mytilicola intestinalis: ANE, British Isles, Devon 6519
Mytilus californianus 7721
Mytilus galloprovincialis: ASE, Black Sea 11885
Myxodagnus: I, Pacific 7249
Najas flexilis: Sweden 6431
Nerita plicata: I, Pacific 12839
Nezumia bairdii: ANW 12455
Nigronia: USA, West Virginia 2911
Nitzschia: ASW, USA, Texas, Galveston Bay 13352
Nudibranchia: ANE, British Isles, Penbrokeshire 1403
Nudibranchia: ANW 7378
Nuphar lutea: Europe, Danube R. 8321
Octocorallia: ASE, France 4100
Octocorallia: ISW, Australia, Western Australia 8136
Ocypode laevis: ISEW, Marshall Is. 6427
Odonata: Finland, Kaerkoelae 4058
Oligochoerus limnophylus: ASE, Romania 11883
Oncaeidae: ASE, France, Banyuls-sur-mer 4962
Oncorhynchus: INW, Pacific 9521
Oncorhynchus gorbusha 7824
Oncorhynchus kisutch: INW 8857
Ondatra zibethica: Canada, North West Territory, Keewatin 1636
Ophichthus triserialis: INE, USA, California, Humboldt Bay 13144
Ophichthus zophochir: INE, USA, California 13145
Ophichthus zophochir: INE, USA, California, Humboldt Bay 13144
Opisthobranchia: ASW, USA, Texas, Cameron County 12843
Opisthobranchia: INE, Canada, British Columbia 8496
Orcinus orca: PS, Antarctic Ocean 9457
Orcinus orca: PSE, New Zealand, Kawerua 9549
Orconectes limosus: Netherlands, Inland waters 4249
Ostracoda: AN 12061
Ostracoda: ASE, Ivory Coast 2691
Ostracoda: PS, Antarctica 3962
Ostracoda: South West Africa, Luederitz Bay 6043
Oxytrema suturalis: USA, Georgia, Yellow R. 8488
Pagophilus groenlandicus: AN 13069
Pagophilus groenlandicus: PN 13069
Palaeocyathus australis: PSE, Australia, New South Wales 7152
Paracryptopsis: ISW 11763
Paradiplospinus gracilis: PSW, Africa 9550
Paragalene longicrura: ASE, Aegean 6409
Parallela novae-zelandiae: New Zealand 8507

- Paraphysomonas butcheri*: Japan 9123
Paraphysomonas vestita: Japan 9123
Parapontellidae: ASE, Mediterranean 11887
Parthenope expansus 10486
Patella vulgata: ANE, Norway, Skjerveoy 11867
Pegasus natans: ISW 13137
Pelecypoda: ANE, Norway 2917
Pellonulinae: Thailand, Mekong R. 9366
Penaeus latissulcatus: PSE, Australia, Victoria 326
Penaeus plebejus: ISEW, Australia, Queensland 7855
Penaeus plebejus: PSE, Australia, New South Wales 7855
Peridinium archiovatum: ISE, Chile 6559
Petroglossum nicaense: ASE, Mediterranean 7350
Peyssonnelia: ASE, Turkey 11491
Phaeophycophyta: ANW, USA, North Carolina 8089
Phlyctidiaceae: Norway 7076
Phoca vitulina: ANW 13074
Phoca vitulina: IN 13079
Phocidae: INW, Kuril Is. 5627
Photostylus pycnopterus: ANE 6233, 9543
Photostylus pycnopterus: ASW, Caribbean 6233
Photostylus pycnopterus: ASW, Mexico Gulf 6233
Phyllidiidae: INW, Japan, Kii, Seto 8194
Physeter catodon: ISW 10048
Pinnipedia: ANE, British Isles 13070
Pinnipedia: ANE, France 8506
Pinnipedia: ASE, France 8506
Pinnipedia: ASE, Mauritania 13075
Pinnipedia: Australia coasts 13071
Pinnipedia: PSE, New Zealand 13071
Pisces 13154
Pisces: Africa 4081, 4097
Pisces: Africa, Zaire R. 9337
Pisces: ANE, Norwegian Basin 11727
Pisces: ASE, Canary Current 450
Pisces: ASW, Cuba 9343
Pisces: Canada, Alberta, Peace R. 6191
Pisces: Canada, Ontario 5143
Pisces: Canada, Quebec, Inland waters 6445
Pisces: INE, Canada, British Columbia 6536
Pisces: INE, USA, California 6536, 9941
Pisces: INW, China, People's Rep. 7239
Pisces: ISE, Columbia, Malpelo Isl. 2751
Pisces: ISEW, China, People's Rep. 7239
Pisces: Pakistan, Kohat 8510
Pisces: South America 4081
Pisces: USA 4086
Pisces: USA, Virginia 4091
Pisces: USA, Virginia, East R. 4092
Piscicolaria reducta: USA, Minnesota, Zumbro R. 10867
Pisidium: Europe, Alps 8205
Platysympus: World Oceans 7372
Plecoptera: Italy, Staffora R. 2889
Plecoptera: Norway 6425
Plethodon cinereus 10902
Pleurobrachia bachei: ASW, Mexico 12079
Poecilopsis gracilis: USA, California, Inland waters 9525
Pollachius virens: ANE, Norway 11900
Polychaeta 12253
Polychaeta: ASW, Brazil 3874
Polychaeta: Australia coasts 7461
Polychaeta: ISW, Malagasy Rep., Nosy-Be 7525
Polyedriopsis: Japan 6404
Polyplocophora: ASE, Mediterranean 7376
Polyplocophora: ASE, Spain 11601
Pomatoschistus norvegicus: ASE 7259
Pontellidae: ASE, Mediterranean 11887
Porphyra 11494
Porphyra: INE, Canada, British Columbia 11492
Porphyra atropurpurea: ASW 4764
Porphyra laciniata: ASW 4764
Porphyra vulgaris: ASW 4764
Portunidae: ISW 12889
Posidonia australis: PSE, Australia, New South Wales, Botany Bay 10702
Potamogeton rutilus: Sweden, Sodra Karrlangen L. 6432
Potamopyrgus ciliatus: Cameroon 11595
Potamopyrgus jenkinsi: France, Isere R. 6406
Priapulids: ISW, Bengal Bay 8502
Projasus bahamondei: PSW, Chile 6138
Promonotus ponticus: ASE, Romania 11883
Prosopium cylindraceum 6230
Pseudacris triseriata: Canada, Ontario 11871
Pulmonata: USA, Texas 11877
Pycnogonida 7358
Rana blairi: USA 6544
Rangia cuneata: ANW, USA 11964
Rangia cuneata: ASW, USA 11964
Rapana thomasiana: ASE, Black Sea 11886
Raphoneis 7093
Rhamphidonta: INE, Canada, British Columbia, Vancouver I. 11608
Rhantus: USA 1478
Rhincodon typus: ISW, Mannar Gulf 4070
Rhodophyceae: ASE, Mediterranean 7362
Rhodophysema: ANE, France 12745
Rhynchocinetes rigens: ISEW, Ryu-kyu Is. 7373
Ruppia: France, Camargue 7558
Salmo gairdneri 7238
Salvelinus malma: INW, Japan 9522
Sandersiella bathyalis: ASW, Brazil 8500
Sardinops sagax: ISE, California Gulf 13772
Sciaenidae: ASW, Brazil 8491
Sciaenidae: ISW, Pakistan 7235
Scintillona stigmatica: INW, Japan, Honshu 5417
Scomberesox saurus: AN 9719
Scombridae: World Oceans 11879
Sebastes marinus: ANE, Iceland 13153
Semilulidae: Japan, Yamanashi Prefecture 6414
Sipuncula: ASE, Adriatic 11542
Sipunculoidea: ISEW, East China Sea 11565
Sphaeriaceae: USA, North Dakota, Sheyenne R. 11598
Sphaeroma terebrans: ASW, USA, Florida 2912
Stenella attenuata: INW, Japan 9546
Stenella coerulescens: INW, Japan 9546
Stephanosphaera pluvialis: ANE, Denmark, Bornholm I. 12735
Stomatopoda: ISE 2695
Stomiidae: World Oceans 11741

- leptocephalus spinifer* 331
lochoplana sargassicola: INE, USA, California 9170
lommatophora: World Waters 11875
folobus acidocaldarius: New Zealand, North I.,
 Rotorua-Taupo 9098
nophrya: ANW, USA 8599
rebra pedroana: INE, USA, California 13142
aliacea: ASE, Mediterranean 11546
ecacera pennigera 11618
eragra chalcogramma: IN 7864
unnidae: ISEW, South China Sea 10707
unnus: ASW, Brazil 12412
unnus alalunga: A, Atlantic 13861
unnus albicares: ISEW 12437
unnus thynnus: INW, Kuroshio Current 10707
ymallus thymallus: Czechoslovakia, Svratka R. 9614
apia rendalli: Africa, Zambezi R. 13172
apia rendalli: South Africa, Natal, Pongolo R. 13172
ntinnida: AN 12060
ntinnida: ANW, USA, New York Bight 5293
be: ASE, Venice Lagoon 11656
achyrhynchus scabrus: ASE, Alboran Sea 7840
apania maculata: ANE, British Isles, Dorset,
 Portland 11607
ichirurus lepturus: PSW, Africa 9550
ichoptera: Morocco 10530
iturus cristatus 7356
iturus cristatus: British Isles 8418
iturus vulgaris: Denmark, Jutland 8439
rbellaria 8168
rbellaria: ASE, Romania, Agigea 11544
ra: World Oceans 7197
nionacea: USA, North Dakota, Sheyenne R. 11598
penaeus moluccensis: ISEW 13809
asconiella jeffreysiana: ASE, France,
 Messanges-Plage 2885
ibrio parahaemolyticus: ASW, USA, Texas, Galveston
 Bay 13352
anthidae: ASW, USA, Alabama 5197
abeiceras manasoense: PSW, South African
 Rep. 10101
apada: USA, Utah, Wasatch Mountains, Mill
 Creek 9318
phiuss cavirostris: ISW, Comoro Is. 7365
undance: *Amphipoda*: INE, USA, Oregon 1635
undance: *Ectoprocta*: ANE, British Isles,
 Northumberland 1661
undance: *Myxidacea*: ASE, Aegean 1653
undance: *Oligochaeta*: America, Michigan L. 341
heck lists: *Anomura*: INE, USA, Alaska 2683
ommunity composition: *Sargassaceae*: INW, Japan,
 Inland Sea 1634
ruises: *Asterida*: AS 158
ecology: *Tintinnida*: Egypt, Arab Rep., Suez Canal 1658
nvironmental effects: *Bacteria*: INW, Japan 329
ossils: USA, California 2241
ossils: *Radimella confragosa*: ASW, Caribbean
 Is. 1639
abitat: *Ancylus fluviatilis*: Denmark, Gudenaa R. 333
ndicator organisms: *Myliobatis goodei*: ASW 2883
ndicator organisms: *Myliobatis goodei*: PSW,
 Argentina 2883
 Life cycle: *Gammarus*: ANW 2656
 Littoral zone: *Ameronothrus*: PSW, South Africa, Kowie
 R. 34
 Morphology (organisms): *Chelon labrosus*: Netherlands,
 Texel, T Horntje 1532
 Morphology (organisms): *Scomberesox*: ASE 253
 Morphology (organisms): *Scomberesox*: PSW 253
 New records: *Acartia centrura*: ASE,
 Mediterranean 1655
 New records: *Alepocephalus blanfordii*: ISE,
 Hawaii 1633
 New records: *Brachyura*: ISW, Malagasy Rep. 1623
 New records: *Enteropneusta*: ASE, Portugal 323
 New records: *Gammarus*: Asia Minor 211
 New records: *Giffordia*: PSW, Argentina 330
 New records: *Nepa cinera*: British Isles, Orkney 332
 New records: *Pisces*: Andaman Isl. 4088
 Resource development: *Thunnus*: ISW 810
 Salinity effects: *Microgobius thalassinus*: ANW, USA,
 Virginia, York R. 1677
 Salinity effects: *Vaucheria*: ANE, Netherlands 322
 Salinity tolerance: *Bryophyta* 1622
 Seasonal variations: *Cladocera*: ASE, Aegean 338
 Seasonal variations: *Clausocalanus*: ANE 1850
 Seasonal variations: *Clausocalanus*: ASE, Adriatic 1654
 Seasonal variations: *Tintinnida*: ANE 1853
 Subpopulation: *Oncorhynchus keta*: INW 1031
 Taxonomy: *Echinogammarus*: Italy 209
 Taxonomy: *Physidae*: USA, Michigan 181
 Vegetation cover: British Isles, Inland waters 1291
 Zooplankton: ASE, Lebanon 1874
 Zooplankton: ASE, Mediterranean 1660
- Geography,**
 5926, 10140
 AN 7049
 ANE, Germany, F.R., Dithmarscher Watt 6754
 ANE, Germany, Fed.Rep., Weser estuary 7054
 Canada, Labrador 4758
 Surveys: Madagascar 1111
- Geology,**
 2430, 3796, 7032, 7033, 9081, 10140
 Aldabra 5922
 ANE, Reykjanes Ridge 10228
 ANW, Labrador Sea 8018
 ANW, Massachusetts Bay 12706
 ANW, USA, New Jersey 8030
 ANW, USA, New York 12705
 ANW, USA, Rhode Island 10210
 ASE, Adriatic 12100
 ASE, Cameroon 10219
 ASE, France, Concarneau Bay 5905
 ASE, France, Languedoc, Aigues-Mortes Gulf 7036
 ASE, France, Menton Bay 7043
 ASE, Mediterranean 9064, 9065
 ASE, Morocco 10195
 ASW, Brazil 8032
 Canada, Alberta, Upper Waterfowl Lake 8016
 Canada, British Columbia 8911
 Canada, Labrador, Melville L. 8017
 Canada, Manitoba, Agassiz L. 8019

Finland, Lojærvi L. 2413
 France, Jura Mts., Valserine Basin 8056
 Germany, D.R., Saale R. 10246
 Greece, Corinth 5904
 ISEW, Solomon Isl. 9068
 ISW, Aqaba Gulf, Nabq 10236
 ISW, Mascarene Is., Reunion I. 5898
 ISW, Mauritius 5898
 PN, Arctic 2418
 PNE, Canada, North West Territory, Barrow Strait 10240
 PS, Ross Sea 11414
 PSE, Macquarie I., Major L. 12696
 USA, Ohio, Inland waters 10234
 World Continental Shelves 5894
Cephalopoda: ANW 4587
Cephalopoda: ASW 4587
Foraminifera: ISW 11406
 Erosion: ASW, Caribbean Is., Navassa Is. 98
 Ground water: USA, Texas, Grimes County 104

Geomagnetism,

INW, Pacific 8026
 USA, Alaska, Imuruk Lake 9080
 Electrical conductance 57

Geomorphology,

ISW, Mascarene Is. 6577

Geophysics,

5903
 ANE, Biscay Bay 4657
 Biosphere 6935
 Europe 2412
 INE, USA, California 11400
 ISE, East Pacific 99
 ISE, Galapagos 10226
 ISW, Arabian Sea 4655
 PSW, Albatross Cordillera 11415
 World tectonic plates 6935

Geostrophic currents,

ASE, Guinea Gulf 10179
 ASE, Morocco 4710
 INE, California, California Undercurrent 11380
 PSE 10184

Gillnets,

Gadus morhua: ANE, Lofoten Is. 3384
Mugilidae: PSW, South Africa 5012
Pisces: USA, Tennessee, Nickajack Reservoir 10574
Scorpaenomorus commersoni: ISW, India, Cochin 4498
 Experimental fishing 838
 Fishing gear 2077
 Stock assessment: *Pisces*: Poland 1001

Glaciers,

7032, 7033
 ANW, Hudson Bay 11383
 Finland, Kuusamo, Kangerjoki 8912
 PSE, Kerguelen Isl., Betsy Cove 7923
 PSE, Macquarie I., Major L. 12696

Glands,

Acipenser fulvescens 8329
Asplanchna sieboldi 12794
Aves: ANE, Spitzbergen 10683

Balanus eburneus 4991
Bufo alvarius 8431
Carcinus maenas 6168, 6170, 10501
Chelonia 8466
Chelonia mydas 10695
Chthonerpeton indistinctum 6367
Ciona intestinalis: ASE, France 13081
Coregonus clupeoides 6312
Cynops pyrrhogaster 8459
Cyprinus carpio 12947
Derocheilocaris remanei 8253
Gadus morhua 4023
Ginglynostoma cirratum 6212
Heteropneustes fossilis 9345, 13043, 13049
Lamellidens consobrinus 11637
Lampetra fluviatilis 9433
Lanice conchilega 4857, 8140
Latimeria chalumnae 13023
Lithodomus lithophaga 4929
Lymnaea stagnalis 12865, 12866
Lytechinus pictus 6046
Mertensiella caucasica 6368
Orconectes limosus 10508
Oryzias latipes 9412
Pachygrapsus marmoratus 9308, 10502
Palaeomon paucidens 10475
Paratelphusa masoniana 3975
Penaeus aztecus 8259
Plotus alle 10684
Puntius sophore 6194
Raja ocellata 8390
Rana catesbeiana 13100
Rana nigromaculata 9482
Salmo gairdneri 9431
Sepia officinalis 2646
Squalus acanthias 6315
Teleostei 8339, 10602
Tor tor 12947
Turbellaria 10389
Uca pugnax 6167
Urodela: Romania 5109
Xenopus laevis 8432, 8467, 9459, 9494
Xenopus tropicalis 7331

Glossaries,

4590, 4640, 7932, 12531
Characida 12943
Diatomae 7094
Penaeidae 12896
Pisces 12935
 Fisheries 1

Grading,

Thalassia testudinum: ASW, Jamaica, Kingston Harbour 11970

Grafting,

Ambystoma mexicanum 6375
Ciona intestinalis 6380
Eunicella stricta 6055
Salmo gairdneri 8381

Gravel,

- USA, Georgia 3819
 urce development: ASW, USA, Georgia 108
 equipment: ASW, USA, Georgia 108
 ity,
ophora 6078
ta 3048
 ity anomalies,
 ire 2422
 ity waves,
 625, 12671, 12675
 ing,
ta clausi 13258
e 3154, 8665
e: Sweden, Erken L. 13404
ystis nidulans 8664
portia tyrannus: A, Atlantic 9598
inus helgolandicus 7445
onimidae: British Isles, Norfolk, Alderfer
oad 3123
ta 8665
oda steinii 8664
onellus sagittula 10833
na vincta: ANW, USA, New Hampshire, Newcastle
 5262
inaria: ANW, USA, New Hampshire, Newcastle
 5262
rocystis pyrifera 5384
gmites communis 3129
s 3154
docalanus minutus 10848
erocystis schroeteri 11962
ngylocentrotus droebachiensis: ANW, Canada,
 Margaret's Bay 13398
orchestia longicornis: USA, Massachusetts 10842
 and water,
 26, 8902, 10256
 sh Isles, Shropshire 3814
 Aqaba Gulf, Nabq 10236
 ica, Inland waters 12709
 10245
 , California 4332
 trical conductance: USA, Oklahoma 2006
 : USA, Oklahoma 2006
 er quality: USA, Texas, Grimes County 104
 er resources: USA, Texas, Grimes County 104
 26
 wing ponds,
nos 3402
gonus nasus 6820
gonus peled 6820
rinus carpio 4459
io trutta 4459
 uction (biological): *Lepomis macrochirus*: USA,
 Alabama 909
 with,
 27, 9101, 10267, 10792, 10793, 10794, 12068
 sphere 6935
aea limatula: INE, USA, California 5490
chaetium 7119
e 3157, 6479, 6698, 7101, 7440, 10920, 11195, 12262
 Algae: USA, West Virginia 11495
Ambystoma maculatum 10676
Anabaena cylindrica 9608
Ancylidae: USA, Texas 8554
Anguilla 13204
Anguilla: ASE, Adriatic 13311
Anguilla anguilla 12944, 13616, 13617, 13618
Anguilla anguilla: Japan 13620
Apoglossum ruscifolium 11497
Aptocyclus ventricosus 10587
Arbacia lixula 12819
Arcoidea 8626
Ascophyllum nodosum: ANW, USA, New York, Long
 Island, Flax Pond 10816
Asterionella formosa 13353
Aulacomya ater: PSW, Chile, Isletilla 3413
Bacillariophyceae 12227
Bacteria 11518
Barbus sarana: India, Kollera L. 11961
Bryopsis maxima: INW, Japan 13214
Bryopsis plumosa 5999
Carassius auratus: Romania, Nitra R. 11723
Carcinus maenas 8576
Caridina nilotica aruensis 12900
Catla catla 13695
Chamelea gallina: ASE, Adriatic 9611
Chlorella 11514
Chlorella fusca 13229
Chlorella pyrenoidosa 13448
Chlorophyceae 12772
Chlorophyceae 11508
Chondrus crispus: ASE, France, Ile de Noirmoutier
 I. 9147
Choromytilus chorus: PSW, Chile, Chiloe I. 2971
Chrysichthys walkeri: Nigeria, Lekki Lagoon 10540
Chrysichthys nigrodigitatus 10810
Chrysophrys major 13246
Chrysophrys major: INW, Japan, Hiroshima 13215
Cirolana harfordi 13407
Cirrhinus mrigala 13695
Coccolithus huxleyi 4350
Crangon: INE, USA, Oregon, Yaquina Bay 9273
Crassostrea: ANW, USA, South Carolina 4497
Crassostrea gigas 9604
Crassostrea gigas: ISEW, Hong Kong, Deep Bay 13218
Crithidia fasciculata 6476
Crustacea 9609
Cynolebias bellottii 6477
Cyprinus carpio 10795
Decapoda 2976
Dentex tumifrons: ISEW, East China Sea 10796
Dentex tumifrons: ISEW, South China Sea 10796
Diadema antillarum: ASW, USA, Florida 11573
Dicologlossa cuneata: ASE, Biscay Bay 9612
Dictyota dichotoma 11923
Dileptus vischeri 6068
Eichhornia crassipes 6582, 11953
Eichhornia crassipes: Egypt, Arab.Rep., Nile R. 6763
Elminius modestus 7430
Engraulis japonica: INW, Japan, Osaka Bay 11077
Ensis minor: ASE, Adriatic 9611

- Ephemerella ignita*: British Isles, Dorset, Bere Stream 10891
Etropus suratensis 12996
Euglena 10298
Favella ehrenbergii 11952
Flustra foliacea: ANE, Germany, Fed. Rep., Helgoland 2975
Fritillaria pellucida: ASE, France, Villefranche-sur-Mer 10973
Gelidiella acerosa 5229
Genypterus capensis: PSW, South West Africa 10806
Genypterus capensis: PSW, Southern Africa coast 10806
Genypterus capensis: PSW, Southern African Coast 10804
Gymnodinium breve: ASW, USA, Florida 10836
Helisoma trivolvis 13253
Heteropneustes fossilis 9429
Hippoglossoides platessoides: ANW, Canada, Newfoundland 9672
Homarus americanus 13716
Hypnea 11918
Hypophthalmichthys molitrix: Israel, Kinneret L. 7817
Ictalurus punctatus 7289, 13208
Kallymenia 4780
Katsuwonus pelamis: ASE 11951
Labeo rohita 13055, 13693, 13695
Laminaria hyperborea: ANE, Isle of Man 7427
Limapontia capitata 6497
Littorina littorea: ANE, France 8611
Littorinidae 11949
Lymnaea stagnalis 12867
Lysiosquilla occulta 11673
Macoma balthica 9570
Macoma nasuta 13235
Macrobrachium rosenbergii 13733
Macrouridae: IN 7422
Macruronus magellanicus 5232
Melosira italica: Brazil 9610
Meretrix casta: ISW, India 4132
Merluccius capensis: PSW, South Africa 10807
Merluccius capensis: PSW, South West Africa 10805
Merluccius capensis: PSW, Southern African Coasts 11242
Merluccius paradoxus: PSW, Southern African Coasts 11242
Microchirus variegatus: ASE, Biscay Bay 9612
Mugil auratus: ASE, Spain, Cadiz 13231
Mugil cephalus: ASW, USA, Texas 4128
Mugil cephalus: Mexico, Tamiagua L. 8859
Musculium securis: Canada, Ottawa R. 7477
Mysticeti: Southern hemisphere oceans 13211
Mystus vittatus 11793
Mytilus edulis 12869
Mytilus galloprovincialis: ASE, Portugal, Arabida 5378
Myxophyceae 11508
Nannastacus unguiculatus: ASE, Black Sea 3120
Nephrops norvegicus: ASE, Biscay Bay 2972
Nitzschia closterium 4127
Nodularia spumigena 8096
Notropis atherinoides 10743
Oncorhynchus 11184
Oncorhynchus nerka 9441
Ophiocephalus striatus 8572, 9631
Orconectes limosus 10518
Oscillatoria redekei: British Isles, Longh Neagh 2974
Ostrea chilensis: PSW, Chile, Chiloe, Apiao I. 5610
Ostrea edulis 9604
Ostrea edulis: ANE, Menai Strait 2978
Pandalus borealis: ANW, Canada, Quebec 8852
Panulirus longipes cygnus: ISEW, Australia 13212
Panulirus longipes cygnus: PSE, Australia 13212
Paracentrotus lividus 2980
Pelecypoda 9667
Penaeus japonicus: ASE, France, Bages-Sigean 5614
Penaeus plebejus: ISEW, Australia, Queensland 7855
Penaeus plebejus: PSE, Australia, New South Wales 7855
Perca flavescens: USA, New York, Oneida L. 10822
Pteridium willeyi 12759
Phaeodactylum tricornutum 11960
Phoxinus: Canada, Quebec, Triton L. 13228
Physeter catodon 13210
Pimephales promelas 12262
Pisces 3582
Pisidium amnicum 11623
Poecilia reticulata 9356
Posidonia australis: PSE, Australia, New South Wales, Botany Bay 10702
Prasinocladus marinus 11954
Pseudopleuronectes americanus 5193
Rangia cuneata: ANW, USA 11964
Rhabdopleura compacta 11833
Rhodotorula glutinis 10823, 10824
Ruditapes decussatus: ASE, Mauritania 1666
Salicornia ramosissima 8528
Salicornia stricta 8528
Salmo clarki: Canada, British Columbia, Vancouver Is. Great Central L. 6483
Salmo gairdneri 11184, 12372
Salmo salar 9418, 9419, 10853
Salmo trutta 4131
Salmo trutta: Sweden 10811
Salvelinus fontinalis 6475
Saprolegniaceae: USA, New York, Wallkill R. 10975
Sardinella aurita: ASE, Congo, People's Rep., Pointe-Noire 8556
Scenedesmus protuberans 9607
Scleractinia: ASW, Jamaica 9738
Scophthalmus maximus 13669
Scylla serrata: PSW, South Africa 5305
Serratia marinorubra 11451
Sphaerocystis schroeteri 13361
Sparus auratus: ASE, France 5240
Sparus auratus: ASE, France, Thau 5241
Sparus auratus: ASE, Spain, Alfoques Bay 12939
Stenella attenuata: INW, Japan 9456
Stentor coerules 7604
Stichococcus bacillaris 11535
Strombus gigas 10815
Taonius megalops 11597
Tapes decussatus: ASE, Spain, Santander Bay 13232
Temora longicornis 11654

- hymena pyriiformis* 11584
chocolata: ISE, Chile, Mejillones del Sur
 y 1816
ogobius ephippiatus: ANE, Eire, Co. Galway 7237
mus alalunga: ANE 13216
mus alalunga: ASE 13317
urus trachurus: PSW, South West Africa 10801,
 802, 10885
o parahaemolyticus 11451
o 82 Aeromonas 8527
ophorus helleri 10790
ria 4125
 g methods: *Decapterus kurroides*: ISEW,
 iwan- 1701
 g methods: *Lutjanus purpureus*: ASW, Brazil 374
 icial feeding: *Penaeidae* 854
 rolled conditions: *Dicentrarchus labrax* 875
 rolled conditions: *Tetraselmis suecica* 1720
 ing: *Cyprinus carpio* 376
 composition: *Sparus auratus* 877
Dicentrarchus labrax 875
Sparus auratus 874, 876
Bdellovibrio 1735
 niles: *Leander serratus* 854
 effects: *Sparus auratus* 876, 877
 hematical models: *Pandalus borealis*: ANW,
 Lawrence Estuary 1706
 itional requirements: *Scomberesox* 253
 osynthetic pigments: *Sparus auratus* 877
 oductive behaviour: *Octopus joubini* 371
 perature effects: *Dicentrarchus labrax* 875
 perature effects: *Melosira binderana*: Canada,
 ntario L. 9605
 yth rate,
 68, 4735, 5349
 V 11948
es chinensis: INW, Korea Rep., West Coast 2977
enser: USA, California, Sacramento R. 7859
e 6468, 6703
ias vulpinus: ISW 11906
ystoma gracile: Canada, British Columbia 5231
uilla: Africa, Kariba L. 7493
uilla anguilla 12946
ocephalus forsteri: ISE, New Zealand I.Terr. 7431
rosomus nibe: ISEW, East China Sea 10050
urionella formosa 10813, 11083
llariophyceae 9630
mmatophora 5234
erochea maleus: ASW, Mexico Gulf 9117
um reticulatum: ASE, Black Sea 5228
occladiella emersonii 4751
yllus schlosseri: ASE, Italy, Genoa 4432
hiopoda: ASW, Bermuda 4065
oortia tyrannus 6318
mus brachysomus: ISE, Peru 9671
mus helgolandicus 11958
ista chione: ASE, Adriatic 6473
orhinus ursinus: INE 6362
a catla: India, Madhya Pradesh, Kulgarhi
eservoir 13222
astoderma edule 6081
Ceriodaphnia quadrangula 4142
Chaetoceros armatus: INE, USA, Washington 13227
Chlorella kessleri 4468
Chlorella pyrenoidosa 8125
Clinocardium nuttalli: INE, USA, Oregon 6470
Cliona celata: ANW, USA, New York, Gardiners
 Island 8135
Clupea harengus 10817
Coelastrum microporum 3854
Colpidium campylum 8557
Conopeum tenuissimum: ANE, Chesapeake Bay 9627
Coregonus: USSR, Inland waters 7587
Crassostrea virginica: ASW, USA, Georgia, Sapelo
 I. 13390
Cristigera 9906
Cryptobranchus alleganiensis: USA, Missouri, Niangua
 R. 10809
Cyprinus carpio 5233, 6251, 12352
Diatomaceae 12768
Diatomaceae: INE, USA, Alaska 13225
Fragilaria crotonensis 11083
Gadus morhua: ANE, Baltic 11965
Gastropoda 10791
Gigartina acicularis 9133
Gymnodinium splendens 12389
Haliotis corrugata: ISE, Mexico, Baja California, Benitos
 Is. 6481
Haliotis cracherodii 7435
Hydrilla verticillata: USA, Florida, Hillsborough County
 L. 5866
Laminaria hyperborea: ANE, Isle of Man 11955
Lithostrotion martini 5899
Liza aurata 6827
Macrouridae: ANW 11948
Mercenaria mercenaria 6472
Micropterus salmoides: USA, West Virginia, Moncove
 L. 5238
Microstomus pacificus: INE, USA, California 7433
Millepora complanata: ASW, Jamaica 10814
Mollusca 11963
Montastrea annularis: ASW, Jamaica 7429
Mya arenaria: INE, USA, Alaska 5236
Mytilus edulis 9613, 13741
Mytilus edulis: ANW, USA, Maine 11956
Notropis lutrensis 7418
Panulirus laeviscauda: ASW, Brazil, Ceara 2967
Pectinidae 6469
Pelecypoda 6467, 10791
Penaeus aztecus 13720
Penaeus aztecus: ASW, USA, Mississippi, Biloxi
 Bay 7386
Penaeus duorarum: ASE, Ivory Coast 7419, 7420
Penaeus plebejus: ISEW, Australia, Queensland 5225
Perca flavescens 13167
Perca flavescens: USA, Minnesota, Red L. 10821
Perca flavescens: USA, New York, Oneida L. 10854
Perca fluviatilis 2991
Percopsis omiscomaycus: USA, West Virginia 5237
Phaeophyta 11950
Pisces: USA, Indiana, White R. 5505
Plathemis lydia 8318

- Pleuronectes platessa* 10817
Pocillopora damicornis 7428
Pollicipes polymerus 5190
Porites compressa 7428
Porites lobata 6471
Potamothrix hammoniensis: Denmark, Esrom L. 12127
Procentrum micans 12389
Pseudomonas 9112
Pseudopleuronectes americanus 12937
Rissoa membranacea: ASE, Black Sea 2969
Roccus americanus: America, Ontario L. 13230
Ruditapes decussatus: ASE, Mauritania 13316
Rutilus rutilus: Czechoslovakia, Bohemia, Klicava reservoir 4170
Rutilus rutilus: USSR, Soligorsk Reservoir 6501
Salmo gairdneri 7813, 11977, 13209, 13637
Salmo salar 5059
Salmo trutta: British Isles, Scotland, Aberdenshire, Loch of Strathbeg 7425
Salmonidae 6823
Saprolegnia 5955
Sarda chiliensis 5230
Scenedesmus obliquus 13224
Scenedesmus quadricauda 5329
Sciaenops ocellata: USA, South Carolina, South Island 13234
Scophthalmus maximus 13641
Scripsiella faeroense 12389
Skeletonema costatum 7423, 10818
Solea solea: ANE, North Sea 13812
Sparus auratus: ASE, France 5240
Sphaerocystis Schroeteri 11962
Spirillum 9112
Squalius cephalus: British Isles, Dorset, Stour R. 7426
Stolephorus: ISEW, Indonesia, Jakarta Bay 8562
Thymallus thymallus: British Isles, Wales 7424
Thymallus thymallus: Czechoslovakia, Svratka R. 9614
Trichiurus lepturus: INW, Japan, Kii Channel 10798
Tridacna crocea: ISEW, Great Barrier Reef 11599
Zalerion maritimum 10800
 Artificial feeding: *Scophthalmus maximus* 873
 Diseases: *Microstomus pacificus*: INE, USA, California 399
 Environmental effects: *Salvelinus fontinalis* 1714
 Fats: *Salmo gairdneri* 1712
 Food availability: *Salmo trutta* 387, 388
 Length-weight relationships: *Crassostrea gigas*: INW, Korea Rep., Gajado 1703
 Length-weight relationships: *Hippoglossoides platessoides* 2164
 Length-weight relationships: *Scophthalmus maximus* 873
 Life cycle: *Mytilus galloprovincialis*: ASE, Italy 925
 Nutritional requirements: *Salmo gairdneri* 1712
 Nutritional requirements: *Scophthalmus maximus* 873
 Physiology: *Chrysophrys major* 3399
 Population dynamics: *Bulinus truncatus*: Egypt, Arab Rep. 3043
 Population genetics: *Salmo gairdneri* 2087
 Population parameters: *Ictiobus cyprinellus*: USA, South Dakota, Oahe L. 7498
 Pressure effects: *Delesseria sanguinea*: ANE, Baltic Sea 1711
 Spawning: *Ciliata septentrionalis*: ANE, British Isles, Devon 266
 Tagging: *Mytilus edulis* 377
Growth regulators,
Acetabularia mediterranea 8115
Algae 12388, 13749
Anacystis nidulans 4135
Aplysia 4937
Artemia salina 379
Asterionella formosa 10813
Bellerochea maleus: ASW, Mexico Gulf 9117
Chlorella pyrenoidosa 11534
Chlorella vulgaris 4130
Coelastrum microporum 3854
Culex tarsalis 8308, 8309
Culicidae 5540
Cyprinus carpio 12365
Diptera 11145
Eleocharis uniglumis 4136
Foraminifera 8559
Lymnaea stagnalis 12865, 12866
Nitzschia closterium 4127
Obelia loveni 3911
Oedogonium acandrium 8120
Pseudomonas 9112
Scenedesmus obtusiusculus 5502
Tetrahymena pyriformis 6476, 8187
Thalassiosira pseudonana: INE 10919
Ulva lactuca 8088
 Aquatic plants: *Algae* 2525
 Pest control: *Psorophora columbiae*: USA, Louisiana 2334
Guiding devices,
 13569
Anguilla: Eire, Shannon R. 13554
Pisces 842, 5555
 Fish counters 350
Gut contents,
Baetis 11986
Chironomus 11986
Simulium 11986
Habitat,
 8668, 12108, 13600
 Netherlands, Tienhoven 13122
 Poland, Mikolajskie L. 13393
 St. Vincent 7592
Actinastrium hantzschii: India, Jammu 2899
Agabus 10986
Agrammus agrammus: INW, Japan 10997
Aipysurus: ISEW, Timor Sea, Ashmore Reef 4038
Algae 10284
Analetris eximia: Canada, Saskatchewan R. 9326
Appendicularia 12070
Avicennia marina: ISW, Egypt, Arab. Rep. 12156
Bacillariophyceae: Argentina, Chubut, Puelo L. 3845
Bryophyta: British Isles, Scotland, Inland waters 1187
Bryophyta: New Zealand 9539
Buenoa confusa: USA, Connecticut 5187

- idae*: Canada, Quebec 7226
idae: ISW, Red Sea 4069
idae: *racemosa*: INW, Japan, Amami Is., Yoron 10440
ostephanus longispinus: ASE, Genoa Gulf 11541
ophyllum: Java, Ranu Lamongan 9330
icula manilensis 4399
idae: USA, Colorado 4103
acea: Finland, Kymijoki R., Lakes 10465
ophyceae: ISW, Aqaba Gulf, Solar L. 12157
thoidae 2665
aea cinerea 3143
aea onyx: ISW, Diego Garcia 2596
ospongia: ASE, Mediterranean 13377
meae 5132
ra 11145
ostoma: USA, Oklahoma 10835
ella cavolinii: ASE, Mediterranean 7140
eps saccatus 3138
idae: ANE, Eire, Galway Bay 8082
ias vulgaris: New Zealand, Glentui R. 10760
rosteus aculeatus: Canada, Queen Charlotte 10906
otricha 9515
helone gigantea: ISW, Aldabra Atoll 9799
ctinellida 12806
grammos otakii: INW, Japan 10997
omycetes: Hungary, Morgo R. 12727
ta: USA, Colorado, Cement Creek 8670
tebrata: Poland, Masurian Lakeland 13392
tebrata: Poland, Mikolajskie L. 13393
tebrata: USA, Iowa 9797
adactylus pentadactylus: Costa Rica 1725
igia adscendens: Cameroon 11595
ma nasuta 13235
ocystis: INE, USA, California 11726
ocystis integrifolia: INE, USA, California, Monterey 12842
asca: ASE, Sicily, Acitrezza 11600
hya rutherfordi 12929
ia plicata: I, Pacific 12839
obbranchius guentheri: Africa, East 8545
allina californica: INE, USA, California 8580
ospinus brevis: ASE, Genoa Gulf 3986
enus rosmarus: INE, USA, Alaska 11927
chaeta: USSR, Caspian Sea 10364
ecttus 13177
ridae 9805
robiodon: ISEW, Great Barrier Reef 11937
aria gouldii: ANW, USA, New Jersey, Barnegat Bay 9670
ia fastigiata: INE, USA, California, Pacific 8683
na pantherina: USA, Arkansas, Cossatot R. 3348
perna: ASE, Tunisia, Bizerte 7488
ophora: ASE, Black Sea 11543
idae 9603
idae: Africa, Zaire R. 9337
idae: Netherlands, Tienhoven 13123
inista gangetica: India 13836
stemaceae: Venezuela, Caroni R. 9141
Polyplacophora: INE, USA, California, Monterey Peninsula 8195
Protozoa: USA, Michigan, Douglas L. 13168
Salinator fragilis 3922
Salmo gairdneri 10007
Semotilus atromaculatus: USA, Ohio 10766
Spirorbidae 9517
Stephanosphaera pluvialis: ANE, Denmark, Bornholm I. 12735
Teleostei: ISEW, Marshall Is., Eniwetok Atoll 11733
Teleostei: ISW, Egypt, Arab Rep., Bardawil Lagoon 11735
Thalassia testudinum: ANW, USA 11459
Tilapia mossambica 10787
Tonicella lineata: INE, USA, California, Carmel Point 8238
Trachinus vipera 7260
Trichoptera 4104
Uca: USA, Texas, Mustang I. 9581
 Protective behaviour: *Salvelinus fontinalis* 1693
Habitat improvement,
 13507
 ASW, USA, Florida 11148
 INE, USA, California 6771
 ISE, USA, California 6770
 USA 4406, 7750
 USA, Delaware 9940
 USA, Minnesota, Shetak L. 13515
 USA, New England 7764
 USA, South Dakota, Oahe L. 6990
 USSR, Inland waters 7793, 7794, 7805, 7826, 12345
Alosa pseudoharengus: ANW, USA 4402
Chanos: ISEW, Indonesia, Jepara 3400
Cyprinus carpio 13684
Labeo rohita 13693
Salmo salar: ANW, USA 6951, 7394
Salmo salar: Canada, Newfoundland 13640
Salmo salar: USA, New England 7393
Salmo salar: USSR, Kola Peninsula 5597
Spartina alterniflora: ANW, USA, North Carolina 4421
 Fertilizers: Canada, British Columbia, Great Central L. 2089
 Plant control: *Neochetina eichhorniae*: USA 2026
Haematology,
Anguilla anguilla 8747
Arthropoda 3918, 12719
Biomphalaria glabrata 12870
Chrysophrys major 13007
Elasmobranchii: I, Pacific 11825
Emerita asiatica 2705
Eschrichtius gibbosus 9488
Golfingia gouldii 7172
Heteropneustes fossilis 9429
Labeo rohita 13053
Lampetra fluviatilis 9445
Limulus polyphemus 12912
Mollusca 12719
Oncorhynchus kisutch 9439, 11086
Pleuronectes platessa: ANE, North Sea 13042
Prionace glauca 6320
Pseudopleuronectes americanus 10609

Rana temporaria 6384
Salmo gairdneri 8376, 8747, 13045
Scyliorhinus canicula 5071
Tachypleus tridentatus 3918
Teleostei 8374
Teleostei: I, Pacific 11825

Haemoglobin,

Amphipnous cuchia 13033
Anguilla anguilla 12978
Anguilla rostrata 6286
Armadillo officinalis 6171
Astacus leptodactylus 11686
Caiman latirostris 13105
Carassius auratus 6281
Clycera robusta 9232
Crassostrea virginica 11633
Eunice aphroditois 10404
Inia geoffrensis 2858
Leiostomus xanthurus 6314
Ligia italica 6171
Molpadia arenicola 9217
Morone saxatilis 9417
Myxine glutinosa 2835
Noetia ponderosa 6109, 6110
Oncorhynchus kisutch 12049
Paramecium aurelia 9231
Physeter catodon 13027
Pisces 6339
Platichthys flesus 5063
Pleuronectes platessa 5063, 7324
Prionace glauca 6320
Rana catesbeiana 2865, 10692
Salmo 5076, 9409
Scapharca deyrollei 3941
Siboglinum ekmani 12825
Teleostei 8387
Thunnus thynnus 13027
Tilapia grahami 4030

Haemoglobins,

Antimora rostrata 6293
Aplysia 10628
Coryphaena hippurus 10628
Pleurodeles waltlii 13106
Pleuronectidae 11812
Prionace glauca: ISE, Hawaii, Kealakakua Bay 6294
Vertebrata 1086

Haemolymph,

Paranephrops 12915
Paranephrops zealandicus 12916

Halocline,

ANE, Finland 5867
 ANW, USA, Maryland, Alberni Inlet 12614
 ASE, France, Berne lagoon 12132

Halogens,

Rhodophyta 1330

Harbours,

ANW, Canada, Newfoundland 4366
 ASE, Egypt, Arab Rep., Alexandria 7775, 7776
 ASE, France, Villeneuve Bay 11420
 INE, USA, Alaska, Anchorage, Harbour 12704

Harmonic analysis,

2403, 3776, 3777, 12686
 ANE, Baltic 9045

Harvesting,

Canada, British Columbia, Lakes 13399
Algae 2067
Eichhornia crassipes 12289
Gracilaria edulis 11193
Zostera marina: ISE, California Gulf 4469
 Processing fishery products: *Algae*: ISE, Chile 801
 Processing fishery products: *Algae*: PSW, Chile 801
 Yield: *Gelidium robustum*: ISE, Mexico, Baja California 795
 Yield: *Gigartina canaliculata*: ISE, Mexico, California 796
 Yield: *Maerocystis pyrifera*: ISE, Mexico, Baja California 798

Hatcheries,

13662
 ASE, Israel 9996
 Germany, F.R. 10041
 Philippines 13578
 USA, West Virginia, Grant County 12088
Dytiscus marginalis 10527
Machrobrachium rosenbergii: Australia 3411
Oncorhynchus gorbuscha: INE, Alaska, Traitors Cove 9698
Ophicephalus: India, inland waters 12983
Salmo gairdneri: Turkey 11786
Salmo salar: USA, New England 7800
Salmonidae: New Zealand 3404
Salmonidae: USA, Idaho 13698, 13699
Venerupis pullastra: ASE, Spain 13743
 Aquaculture statistics: *Salmonidae*: Australia, New South Wales, Tumut R. 902
 Rearing: Australia 901

Heart,

Anguilla anguilla 10614
Carcinus maenas 9307
Chelonia 5125
Circolana borealis 6132
Cyprinus carpio 7310
Eledone cirrosa 10449
Isognomon 4940
Myxine glutinosa 5025
Oryzias latipes 4004
Pagophilus groenlandicus 6370
Pisces 10658
Pleuronectes platessa 2828, 6216
Porcellio dilatatus 10519, 10520
Pseudemys 10697
Rachycentron canadum 8591
Salmo gairdneri 7317
Scrobicularia plana 4936
Serpentes 7338
Testudo 10697
Thunnidae 13047
 Biochemistry: *Cyprinodontiformes* 1562
 Circulatory system: *Acrochordus granulatus* 1586
 Pollution effects: *Carassius auratus* 1976

- Heavy metals,**
 232, 4298, 10252, 11033, 12206, 12577, 13417
 E, Baltic 12178
 E, Germany, F.R., Weser estuary 7729
 TW, Chesapeake Bay 3222, 9841
 TW, USA, Long Island Sound 9054
 TW, USA, South Carolina 9840
 E, Adriatic 11047
 E, Mediterranean 5475, 7671
 E, Portugal 3300
 E, Spain 3300
 W, USA 9840, 13429
 British Isles, Wales, Cardiganshire 5499
 Canada, British Columbia, Brunette basin 12202
 Germany, F.R., Rhine R., Koblenz 12196
 W, Korea 3255
 W, Red Sea 5475
 Japan, Mikata District, Inland waters 8691
 E, Australia 5916
 E, Australia, Victoria, Port Phillip Bay 9857
 USA, Colorado 4313, 4315
 USA, Tennessee, Tennessee R. 4334
 gae 6703
 gae: ANE, Menai Strait 7668
 gae: INW, USSR, Vostok Bay 11091
 guilla *anguilla* 13670
 thozoa: ISEW, Guam 13498
 bacteria: ASW, Caribbean 3231
 levoortia *tyrannus*: ANW, USA, North Carolina, Newport R. 9865
 fo boreas: USA, Colorado, Clear Creek County 11080
 ncer *irroratus* 7437, 10490
 pitella *capitata*: INE, USA, California 8780
 rcinus *maenas* 7437, 11093
 rustacea 7708
 phemerella *grandis* 9819
 marus *americanus* 7437
 era *nordmanni* 10741
 godon *rhomboides*: ANW, USA, North Carolina, Newport R. 9865
 tiostomus *xanthurus*: ANW, USA, North Carolina, Newport R. 9865
 ollusca: PSE, New Zealand 7673
 ugiloidei 11143
 tylus *californianus*: INE, USA, California 7721
 tylus *edulis* 6704
 tylus *edulis*: INE, USA, California, Alamitos Bay 8778
 tylus *galloprovincialis*: ASE, Mediterranean 3273
 eanthes *arenaceodentata*: INE, USA, California 8780
 streidae: PSW, South Africa, Knysna Estuary 9891
 alaemon *serratus* 11093
 andalus *borealis*: ANE, Norway, Oslofjord 13463
 eudopleuronectes *americanus* 8375
 eronarcys *californica* 9819
 ithropanopeus *harrisii* 8739
 hodotortula *glutinis* 10824
 keletonema *costatum* 11527
 partina *alterniflora*: ASW, USA 9866
 Canned products: Spain 1989
 Lead: INW, Japan 1192
 Pollution effects: ANE, Bristol Channel 3258
 Pollution effects: *Carassius auratus* 639
Herbicides,
 5444, 8689, 8769, 8804, 12305
 USA, Virginia, Chickahominy Reservoir 5449
 USA, Wisconsin, Mendota L. 7678
Ankistrodesmus falcatus 8763, 9872
Ceriodaphnia: USA, Wisconsin, Delafield 7733
Chlorella pyrenoidosa 13448
Chydorus: USA, Wisconsin, Delafield 7733
Cyprinus carpio 3308, 8763
Daphnia: USA, Wisconsin, Delafield 7733
Daphnia magna 8745
Ictalurus lacustris 5496
Lyngbya 6715
Micropterus dolomieu 5496
Poecilia reticulata 9872
Procambarus 5496
Scenedesmus acutus 13480
Simocephalus vetulus 13482
Wolffia arrhiza 8693
 Detoxication: *Anabaena variabilis* 1997
 Detoxication: *Chlorella vulgaris* 1997
 Detoxication: *Chloridella simplex* 1997
 Detoxication: *Phormidium foveolarum* 1997
 Pollution effects 644
Herbivores,
 Algae: ASW, Caribbean 12136
Ctenopharyngodon idella: Southeast Asia 9957
Geochelone gigantea: ISW, Aldabra Atoll 9798, 9799
Tilapia rendalli 13268
Zosteraceae: ASW, Caribbean 12136
Hermaphrodites,
Catostomus platyrhinchus: USA, Montana, East Gallatin R. 6247
Coregonus lavaretus: British Isles, Loch Lomond 1542
Cyprinus carpio 11788
Dentalium entalis: ASE, Naples Gulf 3933
Gadus morhua: ANE, Baltic 5052
Laevapex fuscus 10447
Leptosynapta inhaerens 12813
Ocenebra erinacea: ASE, France 8215
Purpuridae: PSE, Australia, New South Wales, Sydney 9484
Serranidae: ASW, Puerto Rico 10783
Hibernation,
Chelonia mydas 5200
Cyprinus carpio: Austria 8832
Pila globosa 12875
 Temperature effects: *Rana temporaria*: Finland 363
Histochemistry,
Barbus sophor 11822
Bufo bufo 8460
Cirrhinus mrigala 6273
Copepoda 12001
Dugesia tigrina 8181
Gnathonemus petersii 5081
Hydra littoralis 12820

Lamellidens consobrinus 11637
Lardoglyphus konoii 10535
Ophiocephalus punctatus 4021, 13035
Paratelphusa masoniana 3975
Pisces 5080
Pisces: India, Inland waters 4020
Scyliorhinus canicula 4022
Squalus acanthias 4022

Histology, 3968

Acellus intermedius 4949
Acipenser fulvescens 8329
Adalia bipunctata 3979
Alismataceae 7096
Amphipnous cuchia 6275
Amyda sinensis 9465
Anemonia sulcata 3868
Balanus balanoides 9292
Brachycera 8319
Burnatia anneandra 7096
Carassius auratus 12969
Carcinus maenas 6170
Catostomus commersoni: Canada, Quebec, Gamelin L. 9396
Cephalopoda 10433
Chelydra serpentina 11836
Chimaera monstrosa 5042
Clarias batrachus 6269, 8408
Colisa fasciata 12956
Copepoda 8268
Crassostrea virginica 5612
Crepidula fornicata 9086
Crocodylidae 13088
Daphnia longispina 11057
Fundulus heteroclitus 8337
Glossogobius giuris 6268
Ictalurus punctatus 10554
Jaera nordmanni 10741
Labeo rohita 3991, 13055
Lanice conchilega 8140
Merlangius merlangus 6214
Merlangius merlangus: ANE, Isle of Man 7470
Mollusca 12860
Myriothele cocksi 11574
Mytilus californianus 11610
Myxine glutinosa 7304, 8369, 8393
Nereocystis 8100
Oncorhynchus rhodurus f. macrostomus 13282
Orchestia gammarellus 2672
Oryzias latipes 9412
Paratelphusa masoniana 3975
Penaeus aztecus 8259
Pisces 3994
Protopterus dolloi 3995
Pseudemys scripta 12969
Sagitta 9175
Sagitta planctonis f6024
Salmo gairdneri 6256, 11813
Salmo salar 9438
Salmonoidea 10575
Salmonoidei 10896

Schizothorax richardsonii 9346
Silphidae 3979, 3979
Teleostei 2768, 8339, 9428, 10562
Thais lapillus 3362
Trichogaster fasciatus 8328
Trichoplax adhaerens 10895
Turbellaria 10389
Urodela 8430
Xenopus tropicalis 7331
Alimentary organs: *Rana* 1584
Chemical composition: *Salmacis bicolor* 174
Digestive system: *Merluccius gayi* 1496
Muscular systems: *Lymnaea stagnalis* 1405
Nervous systems: *Carassius carassius* 2825
Reproductive organs: *Mustelus griseus* 1504
Skeleton: *Pisces* 1267

History,

3216, 3796, 6791
ASE, Mediterranean, Roussillon Shelf 7024
Canada, Inland waters 8796
PSE, Australia, Victoria, Port Phillip Bay 9857
PSW, Argentina 6932
World Ocean 10235
Callorhinus ursinus: IN 13842
Cetacea: ANE, British Isles 9537
Cetacea: INW, Japan, Inland Sea 5099
Mollusca 6930
Phocoena phocoena: ANE, Lillebelt Strait 13156
Zostera: ISW, Red Sea 4755
Fisheries 3614

Homing behaviour,

6435
Amblyrhynchus cristatus: ISE, Galapagos 6455
Grapsus grapsus: ISE, Galapagos 6455
Mopalia: INE, USA, California 5220
Mopalia muscosa: INE, USA, California 8523
Oncorhynchus kisutch: America, Michigan L., Oak Creek 10731, 10732
Parophrys vetulus: INE, Puget Sound 9561
Rana clamitans: USA, Virginia, Sylvatica Pond 9589
Salmo gairdneri: America, Michigan L., Oak Creek 10733
Salmonidae 9566
Talorchestia fritzi: ISE, Galapagos 6455
Tautoglabrus adspersus 5208
Fry: *Salmo salar* 358

Horizontal distribution,

ANE, Norway 12065
Czechoslovakia, Gabčíkovo 8638
USA, Washington, Sammamish L. 13371
Algae: ANE, Finland, Helsinki 9900
Algae: ANE, Germany, Fed. Rep., Weser estuary 5149
Algae: British Isles, Wales, Nant-y-Moch Reservoir 11873
Algae: USA, Minnesota, Minnetonka L., Halstead Bay 11904
Ascophyllum nodosum: ANW, USA, New York, Long Island, Flax Pond 10718
Branchiostoma senegalense: ASE, Gambia 4068
Branchiostoma senegalense: ASE, Mauritania 4068
Branchiostoma senegalense: ASE, Spanish West

- Trica 4068
 Phyta: New Zealand 9539
 Anoida: ISE 3058
 Anassa: PSE, Australia, Victoria, Port Phillip
 Bay 7209
 Anognatha: ISE 3058
 Anomidae: Italy, Martignano L. 12090
 Anolidae: Malawi, Malawi L. 7839
 Anopoda: ANE, Germany, Fed.Rep., Kiel Bay 12091
 Anopoda: INW, Japan, Oshoro Bay 7522
 Anon: INE, USA, Oregon, Yaquina Bay 9273
 Anstacea 12159
 Anstacea: Finland, Kymijoki R., Lakes 10465
 Anthea capillata 9593
 Anometra mathaei 13438
 Anomifera: PSW 11551
 Anotricha: ANW, USA, Massachusetts 9515
 Antrabrata: Panama, Canal Zone, Gatun Locks 5194
 Antrina saxatilis 5318
 Anusca: ASE, Tunisia 11602
 Anusca: ISW, Mauritius 9578
 Anodidae: INW, Japan, Gamo Lagoon 10744
 Anolla: ASE, Mediterranean 188
 Anes 8647
 Anes: ANE, Ireland 9360
 Anes: ASE, Tunisia 11202
 Anes: USA, Virginia, New R. 8752
 Anes: USA, Virginia, York River 8520
 Anodpleuronectes americanus: ANW, USA, Long Island
 Sound 5522
 Anidae: INE, USA 11878
 Anastes 13176
 Anorbidae 9517
 Anorbidae: ANE, British Isles 9517
 Anorbidae: PSW, South Africa, Cape Town 9517
 Anagylocentrotus droebachiensis: ANW, Canada,
 Margaret's Bay 13398
 Anoduced species: Crassostrea gigas: PSE, Australia,
 New South Wales 2884
 Anoral zone: Cirripedia: ISEW, Hong Kong 1612
 Anorations: Arius felis 908
 Anorations: Macrobrachium malcolmsonii: India,
 Andarari R. 2950
 Anorphology: Ceratium: Sweden, Lake Erken 1857
 Anor marshes: Pemphigus trehermei: ANE, British Isles,
 Norfolk 2910
 Anoral variations: Sargassum muticum: ANE, British
 Isles, The Solent 334
 Anatorial behaviour: Galaxias vulgaris 367
 Anatorial behaviour: Gobiomorphus breviceps 367
 Anomones,
 Anenser gueldenstaedti 13010
 Anenser stellatus 6310, 6311
 Anenseridae 13011
 Anidiidae 4921
 Anystoma mexicanum 6372
 Anophibia 6361, 13112
 Anophium means 6313
 Anocystis nidulans 4135
 Anoplathyrhynchus 2863
 Anquilla 8380
 Anguilla anguilla 10620
 Anguilla rostrata 9430
 Aplysia californica 1416
 Asterias vulgaris 12830
 Bufo arenarum 6378
 Bufo bufo 8460, 11842
 Bulinus truncatus 7191
 Channa punctatus 13002
 Chelydra serpentina 8443, 8458
 Chlorogloea fritschii 4135
 Coregonus clupeoides 6312
 Cothurnia variabilis 2588
 Crenimugil labrosus 5058
 Cryptochiton stelleri 8244
 Cyprinus carpio 7307
 Dasyatis pastinaca 6332
 Echinaster modestus 8184
 Eleodone cirrosa 10449
 Esox lucius 13039
 Geoclemys reevesii 11840
 Gillichthys mirabilis 8389
 Gopherus agassizi 8443
 Heteropneustes fossilis 7296, 8364, 8397, 13043
 Homarus americanus 4983, 9282
 Hydra 9225, 9226
 Jasus lalandii 8306
 Lampetra fluviatilis 8392, 13038
 Lampetra planeri 10625
 Limanda yokohamae 11176
 Limulus polyphemus 3549
 Lymnaea stagnalis 2647, 7193, 9261, 12865, 12866
 Mugil cephalus 6307, 10552, 13044
 Myxine glutinosa 8369, 8382, 8393
 Nandus nandus 9406
 Necturus maculosus 6376
 Nephtys hombergii 12815
 Onchorhynchus keta 13891
 Orconectes limosus 10508, 10518
 Otaca lactea 1416
 Pachygrapsus marmoratus 6157
 Palaemon serratus 11683
 Palaemonetes pugio 8289
 Palaemonetes vulgaris 2704
 Pandalus borealis 11684
 Patinopecten yessoensis 6176
 Petromyzon marinus 8388
 Pisces 1547, 10658
 Platichthys flesus 12980
 Pleurodeles walitii 7343, 8442
 Pleuronectes platessa: ANE, North Sea 13042
 Pocilia reticulata 9390
 Poecilia latipinna 8410
 Poecilia reticulata 9392
 Procambarus bouvieri 5170
 Protopterus annectens 7299
 Pseudopleuronectes americanus 8391, 13041
 Rana 6382
 Rana catesbeiana 9497
 Rana cyanophlyctis 6377
 Rana esculenta 2860, 13107
 Rana esculenta: Italy, Naples 11844

Rana pipiens 8463, 9491, 10689, 13108

Rana temporaria 9492, 11843

Rana tigrina 6377

Salmo gairdneri 6302, 13057

Salmo salar 9418, 9419

Salmo trutta 6198

Salvelinus fontinalis 6302, 6475, 8383

Scorpaena porcus 6332

Serranus cabrilla 13702

Siganus canaliculatus 10604

Sphaeroma serratum 9314

Teleostei 7315, 13048

Tetrahymena pyriformis 8187

Tilapia mossambica 9391

Tinca tinca 5057

Vertebrata 13109

Xenopus laevis 6372, 8461, 10691

Artificial spawning: *Carassius auratus* 2801

Bioassays: *Oncorhynchus keta* 294

Bioassays: *Salmo gairdneri* 294

Biochemistry: *Vertebrata* 1836

Endocrine glands: *Pisces* 866

Enzymes: *Oncorhynchus keta* 1559

Enzymes: *Scylla serrata* 240

Metamorphosis: *Rana pipiens* 312

Pigments: *Channa striatus* 1577

Sex reversal: *Poecilia reticulata* 1537

Host-parasite systems,

Aspius vorax Contracaecum: ISW, Iraq, Basrah 13279

Bunocotyle sudatlantica: ASW, Brazil, Salvador 10368

Chaetodontidae: ASW, Brazil, Salvador 10368

Chaeturicyx scitius Philometra mariae 13281

Clarias batrachus Trypanosoma 13296

Heteropneustes fossilis Trypanosoma 13296

Ichthyoxenus jellinghausii Labeo bata: India, Jabalpur,

Pariat L. 13295

Mugil hishni Contracaecum: ISW, Iraq, Basrah 13279

Mullus barbatus: ASW, Brazil, Salvador 10368

Mystus seenghala Trypanosoma 13296

Pisces Plathelminthes: India 13689

Pisces Plathelminthes: Philippines 13271

Psettarioides kurochikini: ASW, Brazil, Salvador 10368

Rhinogobius pflaumi Philometra mariae 13281

Salmo gairdneri Vibrio anguillarum 10862

Salmo salar Diplostomum spathaceum: ANW, Canada,

New Brunswick 11903

Salmo salar Discocotyle sagittata: ANW, Canada, New

Brunswick 11903

Salmo salar Neoechinorhynchus rutili: ANW, Canada,

New Brunswick 11903

Scophthalmus maximus Coccidia 13289

Thunnus alalunga Caballerocotyla klawei 12396

Hosts: *Gazza minuta*: ISEW, South China Sea 10367

Hosts,

Abra ovata 8133

Abramis brama 10893

Abramis brama: Sweden, Drottningholm, Malaren

L. 12038

Amphiura capensis: PSW, South Africa Rep. 2677

Aphanomyces astaci 5286

Aplodinotus grunniens 7131

Aplodinotus grunniens: USA, Oklahoma, Texoma L. 10868

Astreptonema longispora 10272

Aves: Romania, Danube Delta 7475

Aves: USSR, Aral Sea 11990

Barbus meridionalis: France, inland waters 8132

Barbus plebejus: Turkey, Elazig 7468

Beneckea natriegens 5961

Biomphalaria glabrata 7474

Bithynia leachi: USSR, Inland waters 2997

Boleophthalmus boddarti: India, West Bengal,

Sundarbans 13303

Bufo americanus: USA, Michigan, McCormick

Experimental Forest 7144

Caenostheria davidi: USSR, Inland waters 11571

Callianassa californiensis: USA, California 8603

Callianassa californiensis: USA, Washington 8603

Capoeta capoeta: Turkey, Elazig 7468

Carpoides cyprinus: USA, Pennsylvania, Susquehanna

R. 8156

Chaetogaster limnaei: USA, Michigan 8155

Channa punctatus 8592

Channa striatus 8590

Culaea inconstans 8158

Culiseta morsitans: USA, New Brunswick, Tantramar

Marshes 8588

Cyclops abyssorum 7469

Cyprinus carpio 7469

Decapoda: USA, California 8603

Decapoda: USA, Washington 8603

Djombangia indica 8149

Dugesia dorotocephala: USA, Michigan 8155

Dugesia tigrina: USA, Michigan 8155

Echinoidea: World tropical regions 8196

Etheostomatini: USA, Minnesota, Zumbro R. 10867

Ferrissia rivularis: USA, Michigan 8155

Gadidae 6533

Gadus morhua: ANE, Baltic, Kiel Fjord 5272

Gammarus pulex: Germany, D.R., Ichtershausen 10

Gasterosteus aculeatus 3020, 7318

Girella tricuspidata 7464

Hirudinea 8134

Hirudinea: North America 11559

Hydrophis cyanocinctus 3004

Hyla meridionalis: Morocco 2891

Ictalurus punctatus 8604

Ictalurus punctatus: USA, Oklahoma, Texoma L. 10

Invertebrata: ISW, India, Madras 9646

Invertebrata: USSR, Aral Sea 11990

Laevapex fuscus: USA, Michigan 8155

Lepeophtheirus pectoralis 7471

Leuciscus cephalus: Turkey, Elazig 7468

Lutjanus sebae: ISEW, Arafura Sea 7202

Lymanaea natalensis 7473

Lymanaea palustris 13283

Macrourus berglax: ANE, Reykjanes Ridge 11991

Macrourus rupestris: ANE, Reykjanes Ridge 11991

Melanogrammus aeglefinus: ANE, North Sea 13291

Mesocyclops leuckarti: India, Delhi, Inland waters 13286

Micropterus dolomieu 7131

usca: North America 11559
corallia: ASW, Netherlands Antilles 6131
cephalus striatus: Philippines, Inland waters 7483
ocladius 4832
calanus 7472
stromateus niger: ISW, Pakistan, Karachi 9188
ymetroides huronensis 8589
s 6398, 8602
s: ISE, Hawaii 7145
s: USA, Georgia 7146
s: USSR, Aral Sea 11990
psus anguillaris: ISW, India, Kerala 12895
mulium: Canada, Newfoundland 6508
ozoa: World Land Areas 5282
a esculenta 3023
hropanopeus harrisi: France, Inland waters 3024
itta 7472
no gairdneri: USA, Nebraska, McConanghy L. 6206
no trutta: Turkey, Munzur Stream 7467
elinus alpinus: Canada 9657
elinus alpinus: USA, Alaska 9657
olegnia megasperma 5275
otilus atromaculatus 8157
a solea 2578
us: ISW, Arabian Sea 7155
echococcus cedrorum 8607, 8608, 8609
anus autumnalis: USSR, Kazakhstan 6528
lago attu 3025
opus 3019
ycle: *Haematolocheus coloradensis* 1793
sites: *Gigantobilharzia huronensis* *Lymnaea*
agnalis 409
sites: *Osteichthyes* 1780
sites: *Physa Gigantobilharzia huronensis* 409
nan food,
erichia coli 6890
monidae 6881
nic acids,
many, D.R., Erzgebirge 3734
ricanes,
N, USA, Texas 9059
W, Ellice Isl. 8033
ridization,
0008, 13595
nphalaria: Brazil 5304
assius carassius 13704
ssostrea 194
nopharyngodon idella 11790, 12995
rinus carpio 9393, 11790, 12995, 13704
rinus carpio: Hungary 12972
elena 9146
crinia 8544
oria ewingi: Australia, Victoria 13338
ritia paraewingi: Australia, Victoria 13338
buaya: ASW, Brazil, Sao Paulo 8447
omelania hupensis 192
ocellis middendorffii: USA, California 9142
oxinus: Canada, Quebec, Triton L. 13228
hodon cinereus 5112
na berlandieri: Mexico 10665

Rana catesbeiana 2855
Rana clamitans 2855
Rana pipiens: USA, Nebraska 10899
Rhinichthys 8366
Salmo gairdneri 5590
Salmo trutta 7291
Salvelinus fontinalis 7291
Genetics: Tilapia aurea 278
Genetics: Tilapia nilotica 278

Hybrids,

Acipenser ruthenus 11752
Acipenser ruthenus: USSR, Volga R. 8835
Coregonus: USSR, Inland waters 6821
Ctenopharyngodon idella 12995
Cyprinus carpio 13658
Cyprinus carpio: Hungary 12972
Huso huso 11752
Huso huso: USSR, Volga R. 8835
Ictalurus punctatus 13208
Rana blairi: USA 6544
Rana brevipoda 10679
Rana nigromaculata 10679
Salmo 5079
Salmo gairdneri 8437
Salmo gairdneri: USSR, Inland waters 12346
Salmonidae 6823
Salvelinus 9582
Salvelinus fontinalis 8437
Tradescantia 5993
Xiphophorus helleri 12973
Xiphophorus maculatus 12973
Polyploids: Ctenopharyngodon idella 2112
Polyploids: Cyprinus carpio 2112
Polyploids: Hemicultur eigenmanni 2112
Survival: Ctenopharyngodon idella 2112
Survival: Cyprinus carpio 2112

Hydraulic engineering,

8938, 12713
USA, Susquehanna R. 6620

Hydraulics,

3759
ANW, USA, Rhode Island 11125
ASW, USA, Alabama, Mobile Bay 9922
INE, USA, California 11035
ISW, Australia, South Australian Gulf System 7008
USA, Maine, Back R. 3229
3330
Water waves 1251

Hydroacoustics,

3687, 3688, 5817, 5821, 5822, 5823, 5850, 8962, 8963
ANW, USA, Massachusetts 1154
PN 12543, 12563
1153

Hydrodynamics,

3776, 3777, 5781, 5845, 5872, 5889, 6978, 8965, 12622,
12639, 12649, 12650, 12656, 12657, 12671
America coasts 10713
ANE, Baltic 2405
ANE, North Sea 9042
ANW, Labrador Current 3766

ANW, Narragansett Bay 3780
 ANW, USA 3769
 ANW, USA, Massachusetts, Merrimack R. 9028
 ANW, USA, North Carolina 9935
 ASW, Atlantic 7996
 ASW, Brazil 7994
 ASW, Yucatan Channel 7997
 I, Pacific 12636
 INE, USA, Oregon 12654
 INW 12676
 PN, Arctic 12648
 USA, Ontario L. 3773
 USA, Superior L. 3773
 World ocean 8007, 8008, 11395
 World oceanic waters 11371
 World oceans 2400, 3772
Calanus helgolandicus 2955
Palinurus vulgaris 11569
 2457
 Internal waves 110
 Mathematical models 552
 Mathematical models: ANW, USA, New York Bight 595
 Mathematical models: ASW, USA, Texas 491

Hydrogen,

Cyprinus carpio 11187

Hydrography,

2317, 2318, 2387, 4640, 8964
 ANE, Germany, F.R., Elbe estuary 8004
 ANE, Germany, F.R., Weser estuary 1
 ANE, Germany, Fed. Rep., Weser estuary 7054
 ANE, Irish Sea 6994
 ANE, North Sea 8851
 ANW, James Bay 2319
 ANW, USA, Delaware 3923
 ANW, USA, Massachusetts, Merrimack R. 9028
 ANW, USA, New York, Long Island Sound 11376
 ANW, USA, South Carolina 5546
 AS 4678
 ASE, Gambia, Bakau 50
 ASE, Ghana 10043
 ASE, Ghana, Sakumo Lagoon 5379
 ASE, Mauritania 2145
 ASW, Brazil 3681
 ASW, Caribbean 3755
 ASW, USA, Georgia, Sapelo Isl., Duplin R. 8048
 Canada, Ontario, Big Creek 10194
 Gambia, Gambia R. 50
 IN, Aleutian Is., Samalga Pass 11381
 INE, Bering Sea 7016
 INE, USA, Alaska, Prince William Sound 3749
 INE, USA, California, Monterey Bay 3699
 INE, USA, California, Santa Monica Bay 7675
 ISEW, Malaysia 4474
 ISW 11292
 PN, Arctic 4636
 PS, Antarctic Ocean 5881
Clio pyramidata 4582

Hydrologic cycle,

8900, 8901

Africa, Rudolf L. 9084

ASE, Lyon Gulf 6992

World waters 7026

Hydrology,

3812, 4573, 4574, 4691, 5390, 5931, 6916, 6927, 7050,
 8900, 8901, 10140, 10141, 10242, 10243, 10249, 11424,
 11425
 Africa 4722
 Africa, Albert L. 4719, 4721
 Africa, Rudolf L. 9084
 Africa, Victoria L. 4719, 4721
 ANE, Baltic 2440
 ANE, Germany, F.R., Jade Waterway 8795
 ANE, Wadden Sea 8057
 ANW, USA, Maryland, Potomac estuary 9085
 ASE, Gambia 8996
 ASE, Guinea Gulf 7029
 ASE, Ivory Coast, Ebrie Lagoon 10164
 ASE, Lyon Gulf 4693
 ASW, Caribbean 7938
 ASW, Mexico Gulf 7938
 Australia, New South Wales - Victoria, Genoa R. 10218
 Australia, Victoria, Bullenmerri L. 12681
 Australia, Victoria, Gnotuk L. 12681
 British Isles 8055
 British Isles, Shropshire 3814
 British Isles, Tay R. 8059
 British Isles, Yorkshire, Swaledale 8062
 Colombia, Magdalena R. 11277
 France, Corbieres 5929
 France, Ourans Plateau 5928
 Gambia, Banjul R. 8996
 Germany, D.R., Saale R. 10246
 Germany, Fed. Rep., Bavaria, Ammer R. 5532
 IS, Pacific, Cromwell Current 3108
 ISE, Peru 6988
 ISEW, Hong Kong 7052
 ISEW, Java 7053
 ISEW, Malaysia, Sarawah, Sungai Sibul estuary 2128
 ISW, Aqaba Gulf, Nabq 10236
 ISW, Banda Sea 8058
 Italy, Lugano L. 10151
 Italy, Maggiore L. 10151
 Jamaica, Inland waters 12709
 PNE, Canada, North West Territory, Barrow
 Strait 10240
 PSW, Atlantic-Indian Basin 7010
 Uganda, Kyoga L. 4719, 4721
 USA, Nebraska, Interstate 80 Highway Lakes 12464
 USA, Nebraska, Missouri R. 8014
 USA, Washington, North Cascades 8063, 8064
Invertebrata: France, Opoul 10358
 Annual variations: France, Nantua L. 64
 Ground water: British Isles, South Downs 2439
 Methodology 1245
 Standardization 107
 Water mixing: PSE, New Zealand, Wellington
 Harbour 1246

Hygiene,

stacea 7882
lusca 7882
es 7882
Mercapnia,
tophora cristata 9501
ophilus groenlandicus 9501
no salar 6327
thorinus stellaris 10613
Oxixia,
bystoma tigrinum 13101
 545, 6928, 7957, 7998
 E 10207
 W, Canada, Laurentide Ice Sheet 7030
 W, Canada, Newfoundland 5883
 W, Greenland 5882
 Arctic 7954, 11017, 11314
 E, Canada, Laurentide Ice Sheet 7030
 W 10207
 R, Baikal L. 5849
Bacteria: USA, Montana, Inland waters 10277
 d storage 8873
 raulics 1194, 3206
Water interface,
 W, Greenland 5882
Bergs,
 805, 5874
 W, Canada, Newfoundland 2399
Hydrology,
 W, Mauritius 6186
 zambique, Zambezi R. 9335
 rd waters 7848
Hytoplankton,
 524, 5525, 5526
 W, Cape Cod Bay 7698
 W, New York Bight 7537
 W, USA, Massachusetts 4178, 9925, 9926
 E, Mediterranean 9694
 W, Cuba, Bank of Campeche 13360
 W 5323, 5622
 3059
 W, Hawaii 13355
 W 5622
Peidae: ISE, California Gulf 13772
engula pensacola: ASW, Brazil, Ilha Grande 5053
oglossoides platessoides: ANW 12436
luccius: PSW, South West Africa 11246
luccius: PSW, Southern Africa coast 11247
uronectes platessa: ANE, English Channel 9559
unnidae: ISEW, South China Sea 10707
unnidae: ISEW, Taiwan 10707
unnus thynnus: A, Atlantic 13762
Fishes: *Clupeidae:* ISE, California Gulf 453
Fishes: *Sardinops caerulea:* ISE, California Gulf 1033
Hytoplankton surveys,
lotus villosus: ANW, St. Lawrence Estuary 2169
Hytoplankton,
 W, Barents Sea 5662

Immunology,

9091

Acipenser stellatus 5091
Acropora formosa 13374
Aeromonas hydrophila 11198
Astacus: Australia 7463
Astacus leptodactylus 7220
Biomphalaria glabrata 6520, 6521, 6522, 7474, 12870
Biomphalaria havanensis: Grenada 4902
Bufo bufo 8460
Bufo marinus 7340
Bufo vulgaris 8462
Carassius auratus 10648
Chelydra serpentina 11836, 11837
Ciona intestinalis 6380
Crassostrea gigas: ISEW, Hong Kong 6125
Crassostrea virginica 8230
Cyprinus carpio 4018, 7295
Euglena 10298
Eunicella stricta 6055
Homarus americanus 6174
Invertebrata 3858, 10402
Macropipus puber 11687
Mercenaria mercenaria 8231
Mollusca 12859
Mus 10401
Mya arenaria 8229
Mytilus edulis 6108
Pisces 5291, 11266
Pleuronectes platessa 6319
Procambarus clarkii 7224
Reptilia 6323
Salmo gairdneri 9431
Stelleroidea 6070
Teleostei 9432
Tridacna maxima 2649
Vertebrata 1086
Xenopus laevis 6379

Incubation,

Eretmochelys imbricata 9481
Etrumeus teres 5061
 Eggs : *Sparus auratus* 1535

Indicator organisms,

11110, 12615

ANE, Baltic 9728
 ANE, Germany D.R. 9898
 ANE, Germany, F.R., Kiel Bay 9897
 ASW, Caribbean 12616
 ASW, Mexico 4199
 Canada, Quebec, Inland waters 6554
 PSW, Africa 9550
Algae: ANE, Menai Strait 7668
Algae: INW, Korea 5469
Algae: INW, Korea Rep. 6682
Amblystegium riparium 9871
Bacillariophyta 5345
Bacteria: ANW, Chesapeake Bay, Rhode R. 2881
Bacteria: ISEW, Hong Kong, Tolo Harbour 1935
Ceratium egyptiacum: Egypt, Arab Rep., Suez Canal 4075
Crustacea: ANE, Baltic 13415

- Desmidiaceae* 6448
Dinoflagellata: ANE, British Isles 5155
Diploneis microtatos: Tethys Sea, central Paratethys 7927
Diplostomum spathaceum: ANW, Canada, New Brunswick 11903
Discocotyle sagittata: ANW, Canada, New Brunswick 11903
Ephemerella grandis 9819
Esox lucius: Stockholm Archipelago 12255
Foraminifera: ANW, Davis Strait 4683
Foraminifera: ANW, Labrador Sea 4683
Hemicentrotus pulcherrimus 11121
Invertebrata 4345
Macoma balthica 8773
Metazoa: Israel, Nahal Soreq 4364
Mytilus: INE, USA, California 11027
Mytilus californianus: INE, USA, California 7721
Neoechinorhynchus rutili: ANW, Canada, New Brunswick 11903
Ostreidae: PSW, South Africa, Knysna Estuary 9891
Platycephalus bassensis: PSE, Tasmania 4380
Plecoptera: Austria, inland waters 8312
Pteronarcys californica 9819
Salmonella tennessee 11439
Scenedesmus 11474
Terranova decipiens: AN, Greenland 13290
Wolffia arrhiza 8693
Community composition: *Protozoa*: ANW, USA, New Hampshire 1684
Estuaries: *Protozoa*: ANW, USA, New Hampshire 1684
Geographical distribution: *Protozoa*: ANW, USA, New Hampshire 1684
Marine pollution: *Bacteria*: ANW, Chesapeake Bay 1939
Oil pollution: *Bacteria* 3327
Pollution control: USA, South Carolina 706
Population parameters: *Protozoa*: ANW, USA, New Hampshire 1684
Indicator species,
Bacteria 4738
Holopedium gibberum: Sweden 6571
Industrial pollution,
7632
Industrial wastes,
4308, 6640, 6643, 6667, 6739, 6741, 7726, 8713, 8726, 8785, 9904, 11030
America, St. Lawrence 9850
ANE, British Isles, Scotland 9874
ANE, Poland 13511
ANE, Sweden 9874
Brazil, Sao Paulo State 9917
Europe, Rhine R. 4611
Germany, F.R., Danube R. 6668
INE, USA, California 7674
INW, Korea 3255
ISEW, Marshall Is. 13504
USA, Indiana, West Little Sugar Creek 4331
USA, West Virginia, Grant County 12088
USSR, Baikal L. 11062
Algae: USA, West Virginia 11495
Asellus aquaticus 8746
Bufo boreas: USA, Colorado, Clear Creek County 11080
Chironomidae: Japan, Gifu Prefecture, Suimon R. 11708
Daphnia magna 11059
Esox lucius: Sweden, Marmen L. 9873
Fucaceae: ASE, Spain, Pontevedra Bay 13466
Oncorhynchus nerka 13468
Pelecypoda: ANW, USA, Philadelphia 12172
Penicillium corylophilum 4754
Salmonidae 13469
Chemical pollutants 497, 4357, 4358
Marine pollution 499
Oil spills: USA, New Jersey 668
Pollution control 591, 696
Slicks 591
Water pollution 496
Water quality: *Bacteria* 117
Water resources 714
Information handling,
7614
Pisces 7478
2238
Information retrieval,
2238
Infrared radiation,
7623, 7624, 7625, 7626, 7627
Inhibitors,
Amphibia 8489
Aplysia 4928
Artemia salina 12899
Bacteria 11518
Bufo bufo 11842
Calliactis parasitica 10415
Carassius auratus 4124
Didinium nasutum 9236
Heteropneustes fossilis 13043
Loligo pealei 6764
Metapenaeus monoceros 12918
Methanobacterium thermoautotrophicum 12695
Mytilus edulis 6119
Poecilia latipinna 4031
Rana catesbeiana 5412
Rhodotorula glutinis 10824
Salmo gairdneri 13048
Scenedesmus obtusiusculus 5502
Stela plicata 10391
Tetrahymena pyriformis 6476, 8187
Tonicella lineata: INE, USA, California, Pacific Grove 8685
Uca pugnator 8288
Urodela 11846
Xenopus laevis 2862
Algal blooms: *Bacteria* 122
Heart: *Carassius auratus* 1976
Inland fisheries,
13660
Africa 8921
Africa, Inland waters 10053

nada 12313
 lombia, Magdalena R. 11277
 ce 11158
 rmany, D.R. 10047
 rmany, F.R. 8928, 10041
 rmany, F.R., Baden-Wuerttemberg, Constance
 L. 6855
 rmany, Fed.Rep., Inland waters 12281
 dia 9963, 11156
 dia, Karnataka 13855
 dia, Kerala 12315
 pal, Pokhara Valley 13542
 ilippines 12550, 12936, 13523, 13524, 13525, 13819
 izerland, Constance L. 6856
 smania 12533
 mbia 11222
 nguilla: Poland, Narew R.basin 13780
 nguilla anguilla: Germany, Fed.Rep 13777
 rpinus: India, Kanpur 8831
 anos chanos: India 13855
 rpinus carpio: India 13855
 acrobachium malcolmsonii: India 13855
 egalops: India 13855
 lmonidae: British Isles, Scotland 12327
 sh culture: Ecuador 807
 esource development: Asia 3501
 esource development: India 3501
 esource development: Tunisia 2088
land water environment,
 rope 12296
 esource development 720
lets (waterways),
 NW, Canada, Nova Scotia 9745
organic suspended matter,
 3811
 E, California Gulf 4664
 sces 9867
secticides,
 3289, 7685, 8701, 8757, 9875, 12211, 13476
 pan, Kitakyushu 5420
 cartia tonsa 13456
 edes aegypti 8802, 9946
 ristichthys nobilis 6709
 acillariophyceae 12227
 acteria 8728
 ufo boreas 6702
 hironomus yoshimatsui: Japan 5541
 ulex pipiens 5543, 8802
 aphnia longispina 11057
 unaliella peircei 3296
 uglea gracilis 7710
 adus morhua: ANE, Norway 8775
 ambusia affinis 6700
 ctalurus punctatus 6279
 epomis macrochirus 11073
 estes congener: USA, Ohio 8776
 ugil cephalus 12222
 otonecta undulata: USA, Ohio 8776
 eltodytes: USA, Ohio 8776
 erca fluviatilis 8709

Pisces 5078, 13453
 Pisces: Sudan, Wad Medani, Gezira 12251
 Pleuronectes platessa 8744
 Rangia cuneata 3296
 Salmo gairdneri 13470
 Salmo salar 13444
 Simuliidae: USA, South Carolina 9959, 10866
 Trinectes maculatus 6681
 Uca pugnax 11095
 Chemical pollutants: Mugil cephalus 2007
 Larvae: Aedes nigromaculis 2033
 Larvae: Diptera 2032
 Microorganisms 782
 Pollution effects: Invertebrata 1985
 Pollution effects: Pseudorasbora parva 1977
 Toxicity: Mugil cephalus 2007
 Toxicity: Simuliidae: Canada, Quebec 788

Internal waves,

12594, 12678, 12680
 Africa, Tanganyika L. 3701
 ASE, Spain, Finistere 7022
 INE, USA, Oregon 11379
 PSW, Southeast Pacific Basin 8029

International exchange,

4597, 4598, 4602, 5749, 5756, 11273
 AN 7909, 7913
 ASE, Mediterranean 3175
 ASW, Caribbean 4436
 ISW, Saudi Arabia 8929
 Peru 4601
 USA 10122
 USSR 10122
 World Oceans 4542
 Fisheries 797
 Fisheries: Peru 3591
 Fishery industry 3588, 3589
 Fishery industry: British Isles 3504
 Resource development: Canada 3590

International organizations,

4593, 4602, 6946, 10129, 13591
 AN 1096
 ANE 9404
 Caribbean region 3636
 Denmark, Charlottenlund 2271
 Europe, EEC 10088
 INE, USA 2263
 Switzerland, Morges 13848
 World ocean 5747
 World oceans 5919
 Hippoglossus stenolepis: I, Pacific 1090
 Pinnipedia: IN 1092
 Fisheries: Thunnidae: INE 2049
 Fisheries: Thunnidae: ISE 2049
 Inland fisheries: Africa 1095
 Oceanography 9, 10, 1097

Interstitial environment,

10748
 ANE, Belgium, Ostend 5913
 ASE, Adriatic 2375
 ISW, Aqaba Gulf 11545

Acoela: ANE, North Sea, Sylt Isl. 3875
Aeolosoma maritimum: ISE, Galapagos 3871
Algae: USA, Louisiana 5380
Ciliata: ASE, Black Sea 11920
Cyclopinae: ANE, North Sea, Sylt I. 3957
Dolichomacrostomidae: ISE, Galapagos 3877
Gastrotiricha: ISE, Galapagos 3869
Kinorhyncha: ISE, Galapagos 3881
Myozona: ISE, Galapagos 3884
Nematoda: ANE, North Sea, Sylt 3876
Nitocra spinipes: ASE, France, Camargue 11657
Oligochaeta: ISE, Galapagos 3871
Otoplanidae: ISE, Galapagos 3870
Polychaeta: ASW, Brazil 3874
Polychaeta: ISE, Galapagos 3882
Protozoa: USA, Louisiana 5380
Trigonostominae: ISE, Galapagos 3873
Turbellaria 11566
Turbellaria: ANE, North Sea, Sylt Isl. 3883
Turbellaria: ISE, Galapagos 3872
 4357

Intertidal environment,

ANE, Bristol Channel, Severn Estuary 11131
 ANE, British Isles, Scotland 12102
 INE, USA, California 4087
 ISW, India 4228
Algae: ANW, St. Lawrence Bay 12741
Cyanoplax hartwegii 8242
Gammarus palustris: ANW, USA, Maryland 10892
Invertebrata: ANE, British Isles, Scotland, Firth of Forth 9892
Nuttallina californica 8243
Ocypodidae: INW, Japan, Gamo Lagoon 10744
Oligocottus 13177
Pisces: ANW, USA, Soth Carolina 12941
Polychaeta: ASW, USA, Florida, Tampa Bay 7366
Polyplacophora: INE, USA, California 7942
Thais 13185
 Diurnal rhythm: ANE, British Isles, Pembrokeshire 1164
 Geographical distribution: *Ostracoda*: INW, Japan 1445

Introduced species,

13587
 ASE, Israel 3147
 Nearctic Region 2880
 Palaearctic Region 2880
Acipenser 13665
Acropora formosa 13374
Amphibia: USA, California, Inland waters 13133
Clarias batrachus 4256
Collomia linearis: Italy, Belluno, Pettorina 7361
Cyprinodon nevadensis: USA, California, Death Valley, Saratoga Springs 8621
Daphnia: Germany, F.R. 10711
Durvillea caepesipes: PSW, Argentina, Patagonia 929
Gammarus lacustris 9526
Hoplias malabaricus: ASW, USA, Florida 2913
Hyallella azteca 9526
Ictalurus punctatus: USSR, Ukraine 12367
Invertebrata: INW, Japan Sea 11154
Invertebrata: USSR, Inland waters 7803

Macrocystis pyrifera: ANE, Europe 13124
Morone saxatilis: USSR, Inland waters 12343
Oncorhynchus gorbuscha: PNW 7824
Pacifastacus leniusculus: USSR, Inland waters 12139
Pisces: Papua New Guinea 8490
Pisces: USSR, Inland waters 7803
Pisces: USSR, Kazakhstan 2996
Platanista gangetica: India 13131
Platanista indi: Pakistan 13131
Poeciliopsis gracilis: USA, California, Inland waters 9525
Porites andrewsii 13374
Salmonidae 13665
Salmonidae: USSR 7804
Spartina anglica: Tasmania, Tamar Estuary 6757
Tilapia mossambica: Papua New Guinea 8490
Triturus cristatus: Azores 7356
 Acclimation: *Oncorhynchus*: AN 431
 Aquaculture: Africa 856
 Geographical distribution: *Cyprinus carpio*: Australia 325

Invertebrate larvae,

INW 5324
 ISEW 5324
Aedes sollicitans: ANW, USA, Delaware Bay 8652
Aeschna cyanea 5005
Ceriodaphnia cornuta 12907
Charybdis cruciata 12881
Charybdis japonica 12883
Chionoecetes 12882
Chionoecetes japonicus 12882
Chrysaora quinquecirrha 9230
Crustacea: ASE, Ivory Coast 10914
Errantia: INE, USA, California 4853
Ethusa investigatoris: ISW, India, Cochin 10485
Haliotis 13737
Homarus americanus 13734
Macrobrachium 11189
Macrobrachium tenellum 13728
Mytilus edulis 13385
Mytilus viridis 8217
Nassarius obsoletus 9255
Ostrea edulis 9552
Panulirus cygnus: ISW, Australia 13169
Paralithodes camtschatica 13724
Penaeus duorarum 13725
Penaeus kerathurus 13745
Penaeus schmitti 13725
Philometra mariae 13281
Placopecten magellanicus 13715
Plathemis lydia 8318
Polyplacophora: INE, USA, California, Pacific Grove 8218
Pontella meadi 10491
Portuninae: INW 12885
Portunus hastatoides 12883
Portunus pelagicus 12884
Portunus sanguinolentus 12884
Prosobranchia: World currents 5173

- arodes pacificus*: INW, Okhotsk Sea 7363
 phology (organisms): *Utaperla sopladora*: USA, Nevada 1476
- Arthropods,**
W. St. Lawrence Gulf 8487
ostrea gigas 5488
- Arthropods,**
 85, 3187, 3190, 6968
petra fluviatilis 9433
ostei 10602
 63
- Arthropods compounds,**
no gairdneri 13018
- Arthropods accumulation,**
 49
ulus foliaceus 2721
optera 3979
nichopus badionotus 8183
rocystis littoralis 3855
pertusa 13477
 on 14: *Scorpaena porcus*: ASE, Black Sea 1554
 on 14: *Spicara smaris*: ASE, Black Sea 1554
 isotopes: *Euphausia superba* 652
 ment analysis: Germany, F.R., Baden-Wuerttemberg, rsee L. 1158
 iments: Germany, Fed. Rep., Baden-Wuerttemberg, rsee L. 68
 ntium: *Euphausia superba* 652
- Arthropods transport,**
 88, 7073, 11340, 11341
ppora cervicornis 12826
 ne 8131
phibia 13112
ptopotambius pallipes 8299
ra corallina 10342
lonia 8466
stacea 8305
esia dorotocephala 9227
icystis parvula 9153
mpetra 5068
amecium aurelia 12834
anephrops zealandicus 12922
les 13036
ichthys flesus 13019
ichthys stellatus 13016
ra esculenta 9487
no gairdneri 10636
no irideus 5084
alus acanthias 6315
ahymena pyriformis 12832
pia mossambica 5086
- Arthropods,**
 840, 4632, 9008, 11308, 11329, 11331
 mania, Inland waters 10162
enser gueldenstaedti 13014
tilus edulis 6119
allina californica: INE, USA, California, Point anos 8241
 es: ANE, Skaggerak Sea 10637
illa 9219
- Reptilia:** USA, Texas, Presidio County 8469
 Sediment-water interface: Germany, Fed. Rep., Baden-Wuerttemberg, Ursee L. 97
 Vertical distribution: ASE, Ionian Sea 1161
- Iron,**
 2415, 9021, 11357
 America, Erie L. 9010
 AN 11320
 ANE, Netherlands, Wadden Sea 10175
 British Isles, England, Beaulieu Estuary 9851
Artemia salina 9021
Chlorophyceae 11508
Gymnodinium breve: ASW, USA, Florida 10836
Mytilus edulis 13467
Myxophyceae 11508
Phaeophyceae 9815
Salmo trutta 13481
Scenedesmus obliquus 13224
 Freshwater ecology: *Leptothrix ochracea*: British Isles, Cumbria, Blelham Tarn 118
 Geochemical cycle 72
- Irradiation,**
 5687, 10068
 INW, Japan 8999
Ahnfeltia concinna 3856
Chlorella 4782
Crangon crangon 5699
Crangon vulgaris 5689, 10069
Crustacea 13910
Gadus morhua 5690
Gymnodinium breve 13171
Mercenaria mercenaria 6705
Mollusca 13910
Myxosoma cerebialis 5285
Notophthalmus viridescens 10690
Pacifastacus trowbridgii 9317
Pisces 5285, 12482, 13910
Salmo salar 7279
Scomber scombrus 12485
 Measuring devices: ANE, Baltic 2337
- Islands,**
 ASW, Caribbean, Batabano Gulf 10224
 IS, Pacific 3679
- Isotopes,**
 11335, 11336, 11345
 ANW, St. Lawrence Gulf 12595
 PS 5918
Scleractinia: ASW, Jamaica 9738
 Ice: PSE, Antarctica, McMurdo Ice Shelf 83
- Juveniles,**
Actinopterygii 9641
Ammodytes hexapterus: ANW 10781
Anguilla anguilla 13616, 13618
Chaetodon selene: INW, Japan, Izu Peninsula 8346
Chrysophrys major 13246
Chrysophrys major: INW, Japan, Hiroshima 13215
Cichlasoma citrinellum 10623
Cirrhitina mrigala 13690
Clarias macrocephalus 13673
Clupea harengus: ANW 10781

- Colistium nudipinnis* 7268
Coregonus autumnalis 11943
Cynoscion macdonaldi: ISE, Mexico, Baja California 6219
Hemirhamphus xanthopterus: ISW, Iraq 13134
Homarus americanus 10466
Labeo rohita 13690
Macrobrachium 13709
Oncorhynchus: INW, Okhotsk Sea 6529
Oncorhynchus tshawytscha: Canada, British Columbia, Nanaimo R. 6443
Oncorhynchus tshawytscha: USA, Oregon, Columbia R. 13265
Paraholothyrnia cyanocephala: ASE, Africa 9378
Paralithodes camtschatica 13724
Penaeidae 13709
Pisces: ANE, Eire, Galway Bay 6562
Pisces: ASW, USA 4478
Salmo gairdneri 10569
Salmo salar 12350
Salvelinus fontinalis 13180
Sebastes marinus: PNW, Barents Sea 5628
Sebastes mentella: PNW, Barents Sea 5628
Triturus vulgaris: Denmark, Jutland 8439
Tursiops truncatus 6466
Environmental effects: *Oncorhynchus keta*: INW, Sakhalin 891
Fishery surveys: *Mallotus villosus*: ANW, St. Lawrence Estuary 1820
Fishery surveys: *Mallotus villosus*: ANW, St. Lawrence Gulf 1820
Length-weight relationships: *Oncorhynchus keta*: INW, Sakhalin 891
Nutrition: *Oncorhynchus keta*: INW, Sakhalin 891
Rearing: *Oncorhynchus keta*: INW, Sakhalin 891
Resource availability: *Mugil*: ISW, India, Okhamandal 3441
Survival: *Oncorhynchus keta*: INW, Sakhalin 891
- Keys,**
Acanthomolgus: ASW, West Indies 6131
Acanthopterygii: ISW, Red Sea 10544
Actacarus: ASE, France, Banyuls-sur-mer 4835
Agabus guttatus 10528
Agabus paludosus 10529
Alabetidae: Tasmania 1650
Algae 10285
Algae: Canada, British Columbia, Fraser R. 12743
Ambystoma 10672
Ampeliscidae: ASE, Adriatic 10471
Apiophorus 2726
Axonolaimidae: Southeast Asia coasts 1367
Balanus amphitrite 3970
Buenoa confusa: USA, Connecticut 5187
Callionymus: ISEW, Australia, Queensland 9385
Carangidae: ASW, Brazil 2755
Cellarinellidae 2548
Chaetophoraceae 8105
Cheilodipteridae: World Subtropical Regions 11744
Cheilodipteridae: World Tropical Regions 11744
Chelonia: India 12407
Chlorophyta: PSW, Argentina 3846
Cirripedia: PSE, New Zealand 9284
Crustacea: America, Michigan L. 4205
Ctenophora: AN 4803
Cyprinica 12943
Cyprinidae 12943
Decapoda: ANW, USA 3960
Diretmus 7241
Discotrema crinophila 11754
Echinoidea: PSW, Chile 6019
Fauvellopsis: ASE, Mediterranean 3888
Gammaridae: USSR Coasts 4943
Gobiomorphus: New Zealand 4007
Gymnotida 12943
Halobates 6178
Hirudinea: North America 11559
Holanthias: I, Pacific 12963
Hydroporus: British Isles, Scotland 10526
Hydropsyche: Poland 2731
Invertebrata: British Isles, Shropshire 1350
Juvenichitoninae: INW 4916
Leptolaimidae 4834
Loligonidae: INW, Japan 12848
Lycaea nasuta 11661
Macrochiridothea: ASW, Brazil 4945
Monstrilloida 4942, 6128
Munidion 2664
Naididae: Argentina, Parana R. 6042
Nannostomus 2789
Nemertini: World inland waters 8137
Nepomorpha: Guyana 2734
Notothenia phocae: PS, Antarctic Ocean 11772
Ophichthidae: PSE, New Zealand 10558
Otolithoides 12960
Paronychocamptus 8265
Penaeidae: ISEW, Hong Kong 12896
Penaeus 3954
Perciformes: INW, Japan Sea 7270
Perciformes: INW, Okhotsk Sea 7270
Perciformes: INW, Yellow Sea 7270
Pisces: ASW, USA, Mississippi Sound 3989
Plecoptera: South America 2732
Portuninae: INW 12885
Pseudochromidae: ISW 7264
Pseudovermilia: ASW, Caribbean Is. 2571
Ricciaceae: New Zealand 2512
Schizoporella: ANE 12800
Serrasalmidae 9357
Sphaerolaimus 1368
Sphyaena: PS, Antarctic Ocean 11772
Sphyaenidae: ISW 4000
Stomiidae: World Oceans 11741
Trichoptera: British Isles 6181
Tripyla 10363
Uca: World Oceans 7197
Zoopagales 9106
Geographical distribution 2727
Geographical distribution: *Cetacea*: ASE, Spain 289
Keys: *Cheirodontinae*: Central America 274
Mouth parts: *Cephalopoda*: INW, Japan 1401
Taxonomy: *Siphonophora*: ISW 2557
Vegetation cover: British Isles, Inland waters 1291

us carpio 12947
osteus aculeatus 10657
opneustes fossilis 9345
sca 12860
cephalus 13280
le glutinosa 6201, 7304
us vulgaris 4933
nyzon marinus 5072
 4019, 5498, 13036, 13037
thys stellatus 13016
alle 10684
gairdneri 10261
thalmus maximus 13278
tei 6195, 8339
r 12947

59
 Antarctic Ocean 3369

Laboratory culture,
ionus plicatilis 849

Laboratory equipment,
 2, 3826, 4731, 5702, 5786, 7070, 8713, 8938, 8980,
 63, 11023, 11917, 12715, 13424
 Coast, Abidjan, ORSTOM Labs. 10916
ria 9837
ella vulgaris 11864
a 12822
ymena pyriiformis 10266
tion 847

Laboratory methods,
onella tennessee 11439

Laboratory research,
 1
 4729
gairdneri 10261
ry,
 ry industry 3621, 3624

on fisheries,
 : Ghana 6826

ons,
 , USA, Massachusetts, Coate Beach 9929
 , USA, Rhode Island, Charlestown Pond 11128
 France 12133
 France, Bages-Sigean 4724, 4725
 France, Salses-Leucate 4724
 Ivory Coast, Ebrie Lagoon 10164
 Venezuela 4183, 5880
 l, Roraima 5927
 Phoenix Isl., Canton Isl. 3741
 nix Is., Canton I. 3449
ria 11454
ria: ASE, Lyon Gulf 4718
oda: ASE, Spain, Menor Sea 12076
usca: ASE, Tunisia 11602
lidae 8405
choerus limnophylus: ASE, Romania 11883
onotus ponticus: ASE, Romania 11883
opseudomonas sphaeroides 11446

Lake fisheries,

Africa, Rudolf L. 8930
 Europe, Constance L. 13497
 Germany, Fed.Rep., Hessen, Eder L. 12309
 Germany, Fed.Rep., Rhine R. 12294
 India 12451
 Nigeria, Kainji L. 4490
 Tanzania, Tanganyika L. 11221
 USA, Idaho, Pend Oreille L. 13868
 USA, Nebraska, Interstate 80 Highway Lakes 12464
Anguilla: Poland 13549, 13821, 13822
Perca fluviatilis: Firland, Kiutajaervi L. 10882
Pisces: Ghana, Volta L. 12435
 Fishery surveys: Finland 936

Lakes,

4624, 4643, 6386, 6925, 8051, 13402, 13405
 Africa, Inland waters 11401
 America, Michigan L. 10190
 America, Ontario L. 12633
 ANW, Hudson Bay 11383
 Brazil, Amazon R., Castanho L. 12105
 Brazil, Amazon R., Varzea L. 12106
 Canada, Ontario 2408
 Finland, Inland waters 10980
 France 6622
 Germany D.R., Mecklenburg 7980
 Poland, Leczna-Wlodawa 6613
 USA, Maine 2364
 USA, Michigan 2441
Bacteria 11441
Diatomeae: Canada, Yukon 8489
Glyptotendipes paripes 8533
 Aerobic bacteria 116
 Community composition: Tasmania 1897
 Community composition: *Pisces* 488
 Ecosystems 1847
 Magnetism: *Algae*: USA, Florida 3352
 Nannoplankton: *Bacteria* 123
 Phosphorus cycle 1916
 Production (biological) 1916
 Stocking: *Stizostedion vitreum*: USA, New York 2116
 Water analysis (chemical) 2357
 Water quality: USA 2023

Landing statistics,

British Isles 6863
 Germany, F.R. 10042, 10078
 INE, USA, California 7846, 11219
Crangon crangon: ANE 6896
Gadidae: ANE, North Sea 3468
Katsuwonus pelamis: I, Pacific 11223
Menippe mercenaria: ASW, USA, Florida 10876
Merluccius: ASE, African coast 13814
Merluccius: PSW, African coast 13814
Oncorhynchus kisutch: INE, USA 3601
Pennaeidae: Australia coasts 5630
Pisces: ASE, Mediterranean 11220
Scombridae: ASW, Puerto Rico 12025

Larvae,

10264
Acipenser: USSR, Inland waters 12349
Aedes aegypti 8311, 9946

- Aedes stimulans-fitchii*: USA, Michigan 10888
Agabus guttatus 10528
Agabus paludosus 10529
Ambystoma gracile: Canada, British Columbia 5231
Anax 9331
Anguilla: ANW 3442
Anguilla anguilla 12944
Anguilla japonica 4648
Anguilla japonica: ISEW 5014
Anguillidae: INW 5621
Anguillidae: ISEW 5621
Boophthora erythrocephala 12930
Bothriocephalus acheilognathi 7469
Brachycentrus occidentalis 7438
Brachydanio rerio 8404
Buenoa confusa: USA, Connecticut 5187
Bufo: Japan, Nara Prefecture, Mt.Ohdaigahara 6357
Bufo boreas: USA, Colorado, Clear Creek County 11080
Bufo bufo 11842
Calopteryx: USA, West Virginia 11710
Caryophyllia smithii 7596
Cephalopoda: INW, Japan 13140
Chaoborus: Africa, Mwenda R. 8521
Chironomidae: British Isles, Northern Ireland, Lough Neagh 12030
Chironomidae: Japan, Gifu Prefecture, Suimon R. 11708
Clupeidae: ASE, Spain 12977
Cololabis saira: INW 5322
Corbicula leana 4927
Coregonus: USSR, Inland waters 12349
Coregonus nasus 6822
Culex pipiens 5543
Culicidae 6774, 8803, 9333
Culicidae: Canada, Quebec, Trois Rivières 7766
Culicidae: Czechoslovakia, Zahorska Lowland 9324
Cyanea capillata 9593
Dehaaninus limbatus: ISW, India 10492
Dicymenaea californica 9658
Digenea 9192
Diptera: USA, Oklahoma, Honey Creek 11707
Ditrupe arietina 7596
Dyscophus quinque-lineatus 4047
Dytiscus marginalis 10527
Engraulis ringens: ISE, Peru 11784
Entobdella soleae 2578
Ergenstrema mugilis 6029
Etrumeus teres 5061
Eucheilota paradoxa: INW, Japan 4854
Gastropoda 11631
Gona intestinalis 4046
Hemicordulia ogasawarensis 9332
Homarus gammarus 10785
Hydropsyche: Poland 2731
Hydrozoa 13202
Ilyoplax pusillus: Japan, Shizuoka Prefecture, Oota R. 11679
Istiophoridae: ISEW 11770
Istiophoridae: ISW 11770
Littorina: ANE, British Isles 9266
Lysemata seticaudata 4970, 4981, 4998
Macrobrachium hendersonianum: India, Khanapur, Malaprabha R. 10493
Macrobrachium idella 4464
Macrobrachium novae-hollandiae: ISW, Australia, Brisbane R. 11676
Martesia striata 9962
Mercenaria mercenaria 5198
Modiolus modiolus 12852
Mollusca 4879, 13163
Mollusca: PSW, South Africa Rep. 10100
Mugil saliens 12374
Myctophidae: INW 5325
Myctophidae: ISEW 5325
Mytilus edulis 5199
Nectopsyche 8307
Neophya rutherfordi 12929
Nephrops norvegicus: ANE, Irish Sea 7532
Nymphula nymphaea 9327
Otolasmis mulleri 9294
Ocyrodidae 11680
Oegopsida: ISW 4191
Ophicephalus: India, inland waters 12983
Palpopleura lucia 5263
Panulirus longipes 10761
Paratigriopus hoshidei 12897
Penaeus 3954, 3954
Petrolisthes rufescens 9298
Phragmatopoma lapidosa: ASW, USA, Florida 11572
Phyllaplysia taylori: INE, USA 4925
Phyllochaetopterus socialis: ASE, Mediterranean 4838
Phyllochaetopterus solitarius: ASE, Mediterranean 4838
Pisces: ANE, Kiel Bight 9725
Platysquilla eusebia: ANE, Ireland 1421
Pleurodeles waltlii 8442
Pleuronectes platessa 7314
Pollicipes polymerus 4977
Prosobranchiata: ASE, Mediterranean 4915
Pseudohemismus granulatus 4047
Pseudopleuronectes americanus: ANW, USA, Massachusetts 9928
Ptychodera flava 10851
Pyura stolonifera: PSW, South Africa, False Bay 8449
Pyuridae: PSE, Australia, New South Wales, Sydney 9484
Rana catesbeiana 8457, 10692
Rana rugosa 8429
Rana sylvatica 8761
Rana temporaria 5115
Rithropanopeus harrisi 5192
Rutilus rutilus: USSR, Soligorsk Reservoir 6501
Sarda orientalis: ASE 11888
Sardinella brasiliensis: ASW, Brazil 8360
Scaholeberis kingi: World Tropical Regions 12906
Scomberesox saurus: AN 9719
Scopimera globosa: Japan, Shizuoka Prefecture, Oota R. 11679
Simuliidae: Tahiti 10531
Simuliidae: USA, South Carolina 10866
Simulium tescorum: USA, Colorado R. 8571
Stellerioidea 6070

- tei* 10602
 : British Isles, England, Reading 10859
ptera 4104
ptera: New Zealand, Wainui Valley Stream 4141
ptera: USSR, Ak-Bura R. 6390
us laevis 8436, 10691
robustus 12897
 y: *Thecomyia limbata*: Brazil 242
 pment: *Crassostrea angulata*: ASE, Spain,
 idalquivir Estuary 190
 ic organs: *Eigenmannia* 2821
 ic organs: *Marcusenius* 2821
 nmental effects: *Triturus vulgaris* 1681
 ng behaviour: *Trachurus japonicus* 1728
 aphical distribution: *Euphausia superba*: PSW,
 idell Sea 327
 aphical distribution: *Euphausia superba*: PW,
 ia Sea 327
 aphical distribution: *Lepas*: ANE 1852
 les: *Synechogobius hasta* 1538
 orphosis: *Eubrianax edwardsi*: USA,
 ada 1480
 nology (organisms): *Agabus* 1472
 nology (organisms): *Ibacus novemdentatus*: ISEW,
 China Sea 1455
 nology (organisms): *Melanodytes pustulatus* 1471
 nology (organisms): *Pinnaxodes major* 221
 species: *Metacnephia amphora* 245
 des: *Aedes* 2028
 nts: *Channa striatus* 1577
 ng: *Crassostrea gigas* 3416
 eration: *Ambystoma* 307
 ing (biological): *Stizostedion lucioperca* 830
 al: *Mugil cephalus* 1567
 nded matter: *Simulium* 320
 omy: *Coleoptera* 1475
 al distribution: *Decapoda*: ASE, Sicily 346
 ides,
romidae: Japan, Gifu Prefecture, Suimon
 11708
 .
 20
 l line,
a harengus 11755
nba buccata 6221
 f the sea,
 29, 12503
 87
 fic 4672
 fic, North Western Basin 4671
 Michigan L. 8721
a laevigata 12243
is rufescens 12243
us: INE, USA, California 11027
columbianus: USA, Idaho, Mission Lake 11074
dactylum tricornutum 4126
monas subcordiformis 4126
gairdneri 4355, 9887
Stigeoclonium tenue 11049
Tubifex 7723
 Aerosols: INW, Japan 1192
Learning behaviour,
 6454
Betta splendens 10758
Carassius auratus 1692, 4124, 10759, 10768, 10784,
 10786, 11926
Coregonus autumnalis 11943
Cribrina xanthogrammica 6463
Dugesia dorotocephala 13196
Negaprion brevirostris 7408
Planaria 11933
Procambarus clarkii 2711
Rana pipiens 8474
Salmonidae 9566
Trichopsis vittatus 11924
Tursiops truncatus 6466
 Acclimation: *Pisces* 1694
Legislation,
 6647, 7936, 11117, 13594
 America, Great Lakes 6728
 ANE, France 11150
 ANE, France, Somme Bay 12293
 ASE, France 11150
 ASE, Mediterranean 11111
 Australia, Victoria 6904
 Austria 6666
 Canada 8898
 Equador 3600
 Germany, F.R. 4570
 USA 4568, 5751, 5752
 USA, Coasts 6728
 USA, Florida 10260
 USA, Illinois 8702
 USA, Mississippi 4558, 4559, 4560, 4561, 4562, 4563,
 4564, 4565
 USSR 12502
 World ocean 5744, 5745, 5746, 5753
 Algae: INE, USA, Washington 2136
 Algae: USA 2137
 Cetacea 12297
Dugong dugong 13839
Eschrichtius robustus: IN 13835
Pisces: ISEW 12504
Triturus cristatus: British Isles 8418
 Marine pollution: France 1078
 Oil pollution: USA, New Jersey 668
 Pollution control: USA, Delaware R. 490
 3604
Length-weight realtionships,
Microstomus pacificus: INE, USA, California 7433
Penaeus californiensis: ISE, Mexico 10820
Penaeus stylirostris: ISE, Mexico 10820
Penaeus vannamei: ISE, Mexico 10820
Length-weight relationships,
Ageneiosus valenciennesi: Brazil, Parnaiba R. 10819
Anabas testudineus 8395
Anguilla 13572
Arctocephalus forsteri: ISE, New Zealand I.Terr. 7431

- Astacus astacus*: Finland, Tullusjaervi L. 6163
Callorhinus ursinus: INE 6362
 Cetacea 9463
Clarias batrachus 6287
Corbicula manilensis 4906
Daphnia pulex 4138
Didacna trigonoides: USSR, Caspian Sea 7421
Ethmalosa fimbriata: ASE, Gambia 11724
Helisoma 8193
Heteropneustes fossilis 13323
Ictalurus punctatus 7289, 7320
Labeo 6535
Labeo calbasu: India, Loni Reservoir 13223
Lepomis macrochirus: USA, Texas, Nasworthy L. 2979
Lobodon carcinophagus 11829
Meretrix casta: ISW, India 4132
Merluccius capensis: PSW, South West Africa 10887
Micropterus salmoides: USA, West Virginia, Moncove L. 5238
Mya arenaria: INE, USA, Alaska 5236
Niphargus rhenorhodanensis 13219
Ommatophoca rossi 11829
Oncorhynchus 9087
Ophicephalus punctatus 8330
Ophicephalus striatus 8330
Palinurus vulgaris: ASE, Greece 13233
Panulirus argus: ASW, USA, Florida 10487
 Pisces 2819
Pleuronectes platessa: ANE, North Sea 5227
Pomoxis annularis: USA, Texas, Nasworthy L. 2979
Roccus americanus: America, Ontario L. 13230
Salmo trutta 8574
Salmo trutta: British Isles, Scotland, Aberdenshire, Loch of Strathbeg 7425
Sciaenidae: ISW, Pakistan 13766
Scombridae: A, Atlantic 12023
Solea solea: ANE, North Sea 13812
Thunnus: ANE 12024
Thunnus: ASE 12024
Thymallus thymallus: British Isles, Wales 7424
Thymallus thymallus: Czechoslovakia, Svratka R. 9614
Tisbe holothuriae 13213
Trachurus trachurus: PSW, South West Africa 10886
Trichiurus lepturus: INW, Japan, Kii Channel 10798
 Larvae: *Paralithodes camtschatica* 375
- Lenitic currents,**
 America, Erie L. 12622
 America, Michigan L. 12622
- Lenitic environment,**
 13435
 India, Tamilnadu 12612
Viviparus georgianus: USA, Hudson R., Sawkill Tributary 7454
- Lesions,**
 Cetacea 9469
Chrysophrys major 13287
Clarias batrachus 2841
 Cyprinidae 10656
Mugil cephalus 11994
Mugil cephalus: INW, Japan, Okitsu Bay 13280
Oncorhynchus 8343
- Pisces 8738
Rana esculenta 9487
Salmo salar 9438
Salmo trutta 6516
Salmonidea 10575
Sargassum filipendula 7118
- Lethal limits,**
Acartia tonsa 13456
 Algae 6698
 Arthropoda 11911
Caulerpa racemosa 13439
Crassostrea virginica 9889
Culex pipiens 5543
 Invertebrata 4373
Mercenaria mercenaria 9889
 Mollusca 5497
 Mugiloidae 11143
Nais variabilis: America, Michigan L. 6184
Rhombus maeoticus: ASE, Black Sea 9881
Uca panacea: ASW, USA, Texas, Mustang Island 7194358
- Life cycle,**
Acetabularia mediterranea 7110
Acrosymphyton purpuriferum 2488
Aeromonas 9642
Ahnfeltia plicata 11524
Allogromia laticollaris 6022
Amnicola limosa: USA, New York State 7390
Anabas testudineus 7284
Analetris eximia: Canada, Saskatchewan R. 9326
 Ancyliidae 12872
 Ancyliidae: USA, Texas 8554
Anguilla 2741
Antromysis juberthiei 7212
 Appendicularia 13077
Archilestes grandis: USA, North Carolina 12926
Archoplites interruptus: USA, California, Greenhaven L. 7231
Aves: PSW, Antarctica 11827
Azygia lucii 10858
Bagrus bayad: Africa, Rudolf L. 10037
Balaenoptera acutorostrata: ASW, Brazil 9455
Bangia 10312
Bellura gortynoides 5000
Betta splendens 7230
Boccardia: PSE, Australia, New South Wales 7461
Bonnemaisionia asparagoides 2488
Bothriocephalus acheilognathi 7469
Calceostomatidae: ASE, Tunis Gulf 7134
Camallanus oxycephalus 7131
Cambarus batchi: USA, Kentucky 8250
Carcinus maenas 4129
Caryophyllaeus brachycollis: France, inland waters 8132
Catostomus: USA, Utah, Weber R. 10594
 Cetacea 7329, 7330
Channa punctatus 13683
Chironomidae: Canada, North West Territory, Char L. 9508
Chrysonebula holmesii 11872
 Cladocera 10908

- o marinus*: ANE, Kiel Bight 10536
omatus pupa 3974
opoda 10908
ulia aenea: Japan, Sapporo 370
cus lanceolatus: PSW, Argentina, Puerto
 seado 11461
pedacusta sowerbii: USA, Inland waters 9167
odylus niloticus: Africa, Inland waters 10663
ymedusae 5818
oocolum brasilianum 6020
ops scutifer: Norway 9274
laea cinerea: ASW, Jamaica 2600
ideis torosa 11655
anius limbatus: ISW, India 10492
oma hiemale 5996
emmenea californica 9658
nea 9192
ostomulum: British Isles, Inland waters 12014
nostoma lahorensis: Pakistan, Lahore, Inland
 waters 12803
hista fucicola 9145
is laevis: ANE, British Isles 10395
emeroptera: British Isles, Severn R. 8317
americanus vermiculatus: USA, West Virginia,
 velvepole Creek 11721
masquinongy: USA, West Virginia 4016
ranchipus bundyi: Canada, Alberta 8275
haeta norvegica: ANE, Norway 9299
haeta norvegica: ANE, Norway, Korsfjorden 9301
diptomus intermedius: Italy, Santo Parmense
 12902
hausiacea: ISW 6550
acea neotenes: USA, Texas, Kerr County 10881
tingeriidae 5265
llaria pellucida: ASE, France,
 illefranche-sur-Mer 10973
ca atra: Poland, Masurian Lakeland 6347
marus finmarchicus: ANW 2658
marus insensibilis: ASE, France 6156
marus mucronatus: ANW 2657
marus stoerensis: ANW 2657
marus wilkitzkii: PNE, Arctic 2657
marus wilkitzkii: PNW, Arctic 2657
leo micracetabulus: Pakistan, Lahore, Inland
 waters 12802
artina: PSE, New Zealand 10350
lotia erinaceus: ANE, North Sea 13291
leya chironomi 6051
nnodinium breve: ASW, USA, Florida 5964
emogregarina bigemina 8601
lobates 6178
losplanchnus pachysomus 2544
reyella mirabilis 7113
isoma 8193
obdella stagnalis: Canada, Alberta, Newsone
 Pond. 12783
obdella stagnalis: Canada, British Columbia, Marion
 12783
opoglossoides platessoides: ANW, Canada 3987
marus americanus: ANW, USA, New England 7198
ertebrata: ASE, France, Villefranche-sur-Mer 5289
Istiophorus platypterus: ASW, USA, Florida 11159
Labeo calbasu 12948
Laeonereis culveri 2574
Lampetra 9349
Lates niloticus: Africa, Rudolf L. 11718
Lebistes reticulatus 7229
Lernaia cyprinacea: Indonesia 9648
Lestes disjunctus australis: USA, North Carolina 12926
Lestes vigilax: USA, North Carolina 12926
Littorina: PSW, Chile, Valparaiso 1409
Lota lota: USA, Minnesota, Lake of the Woods 4502
Lovenia elongata: ISW, Aqaba Gulf 11934
Lutjanidae: ASW 11816
Lutjanus campechanus: ASW, Mexico Gulf 4481
Macrobrachium 2055
Macrobrachium hendersodayanum: India, Khanapur,
 Malaprabha R. 10493
Macrocystis pyrifera 1290
Macropodus opercularis 7230
Marisa cornuarietis: World subtropical regions 10426
Megaloptera: British Isles, Severn R. 8317
Microphallus brevatus 72 *Hydrobia ventrosa*: ASE,
 France 8138
Mollusca: British Isles, Worcester-Birmingham
 Canal 7176
Mononchus aquaticus 12786
Mugil: ASE, Tunisia, Tunis L. 7486
Mytilus edulis: ANE, British Isles, Northern
 Ireland 7186
Myxosoma cerebialis 12801
Nephrops norvegicus: ANE 1422
Nephrops norvegicus: ASE, Mediterranean 1422
Nereis vexillosa 10360
Notropis petersoni: USA, Florida, Hillsborough R. 2750
Ophiodon elongatus: INE, USA, California 11725
Ophrydium versatile: British Isles, Buckingham 6023
Opisthorchis felineus: USSR, Inland waters 2997
Panulirus 2055
Paracoryne huvei 12812
Paralichthys olivaceus 10538
Paratimonia gobii 8133
Patinopecten yessoensis: INW 7836
Pelecypoda 4913
Penaeidae: Australia coasts 5178
Penaeus merguensis: ISEW, Carpentaria Gulf 4973
Penaeus semisulcatus: ISW, Persian Gulf 11658
Penilia avirostris: PSW, South Africa Rep. 8248
Perna viridis: ISW, Bangladesh 9248
Perna viridis: ISW, Pakistan 12855
Phestilla melanobranchia 4872
Phestilla sibogae 4872
Pinnipedia 7329, 7330
Pinnipedia: PSW, Antarctica 11827
Pisces: India 13691
Pisces: INE, USA, California 11726
Pisces: PSW, South Africa Rep. 9340
Plakartriidae 10489
Platynereis bicanaliculata 10360
Podiceps cristatus: Poland, Masurian Lakeland 6348
Polydora: PSE, Australia, New South Wales 7461
Pontella meadi 10491

- Porphyra* 1290, 2139, 10312
Protopolyistoma xenopodis 3019
Protozoa 12801
Puccinellia festucaeformis: ASE, Mediterranean 7116
Pulmonata 4941
Rana pretiosa: America 6344
Rastrelliger kanagurta: ISW 6193
Rhodophysemma georgii 2494, 7087
Rotifera 10908
Sagitta elegans: ANE, Eire, Galway Bay 6561
Sagitta setosa: ANE, Eire, Galway Bay 6561
Salinator fragilis 3922
Salvelinus alpinus: INW, Commodore Is., Bering I. 7276
Sardinella brasiliensis: ASW, Brazil 8359
Sargassum obtusifolium: ISE, Hawaii 9587
Sargassum oligocystum: ISE, Hawaii 9587
Sargassum polyphyllum: ISE, Hawaii 9587
Schistosoma mansoni 12012
Scytosiphonaceae: INW, Japan, Hokkaido, Muroran 10324
Sebastes emphaeus: INE, USA, Washington 1508
Sebastes mystinus: INE, USA, California 11725
Silimulium virgatum: USA, Oklahoma 4999
Sphaerium solidum: British Isles, Lincolnshire, Wiltam R. 2601
Sphaeroma serratum: ASE, France, Thau 4978
Sphenishiformes: PSW, Antarctica 11827
Squilla mantis 12029
Stenella attenuata: INW, Japan 9456
Stenonema tripunctatum: USA, West Virginia 8315
Stenonema vicarium: USA, West Virginia 8315
Stizostedion vitreum: USA, Minnesota, Osakis L. 12989
Symplectoteuthis oualaniensis 6085
Tanytarsus aculeatus: Austria, Piburger See 10525
Taonius megalops 11597
Temora longicornis 11654
Terebra gouldi: ISE, Hawaii 6086
Tetrahyena paravorax 4868
Tetramyxa marina 5411
Tipula sacra: Canada, Alberta, Kananaskis Valley 8316
Trichoptera: British Isles, Severn R. 8317
Trichosphaerium 6021
Tripedalia cystophora 4849
Troglocaris anophthalmus 9293
Tubifex tubifex 2990
Verruca stroemia 4975
Zapada: USA, Utah, Wasatch Mountains, Mill Creek 9318
Zoogonoides viviparus 11539, 11539
 Biochemistry: *Pisces* 251
 Development: *Muggiaea kochi* 1340
 Environmental effects: *Phaeophyceae*: ANE, Sweden 2491
 Feeding behaviour: *Micrasema*: France 1466
 Feeding behaviour: *Toxotes ulysses* 2748
 Geographical distribution: *Centropogon australis*: Australia coasts 2747
 Keys: *Nepidae*: USA, Louisiana 2724
 Length-weight relationships: *Lobotes surinamensis*: ANW, USA, North Carolina 2745
 Locomotion: *Tropisternus ellipticus*: USA, Oregon, Waterloo Falls 1468
 Parasites: *Carneophallus brevicaca* 1797
 Parasites: *Plagioporus shawi Salmonidae* 1796
 Physiology: *Pisces* 251
 Pollution effects: *Erpobdella octoculata* 1986
 Population structure: *Penilia avirostris*: ASE, Trieste Gulf 1811
 Population studies: *Petromyzon marinus*: Canada, New Brunswick 252
 Reproduction: *Alosa sapidissima*: Canada, New Brunswick, St John R. 1540
 Reproduction: *Concholepas concholepas*: PSW, Chile, Valparaiso Bay 1408
 Reproduction: *Cymbella* 126
 Reproduction: *Mysis stenolepis*: ANW, Canada, New Brunswick 204
 Rivers: *Nigronia fasciata*: USA, Virginia 243
 Temperature effects: *Cladocera*: ASE, Trieste Gulf 1
- Life cycles,**
Diastylis sculpta: ANW, Canada, New Brunswick, Passamaquoddy Bay 11653
Opisthobranchia: ASW, USA, Texas, Cameron County 12843
Scaholeberis kingi: World Tropical Regions 12906
- Life history,**
Antimora rostrata: World Oceans 6192
Ceriodaphnia cornuta 12907
Ctenophora: AN 6017
Neotanaididae 6152
- Light,**
 INW, Japan 8999
 ISW 6982
 Vision: *Barbus conchoniis* 1688
 Water analysis (physical): Poland, Goczkowice L. 1
- Light effects,**
 8676, 10946
Acetabularia mediterranea 4800, 10355
Acrochaetium 7119, 10752
Acropora cervicornis 12826
Aiptasia mutabilis 8536
 Algae 2529, 7114, 8665, 10937
 Algae: ANE, Spitzbergen, Storvatnbekken 10727
Alligator mississippiensis 6464
Ambystoma maculatum 6371
Ambystoma tigrinum 8479
Anabaena circinalis 2523
Anguilla anguilla 13166
Anguilla rostrata 13165
Anomalocera patersoni 6437
Asellus aquaticus 8273
Balanus trigonus 13200
Caespiella pascheri 10752
Centropitulum: Ghana, Pawmpawm R. 6439
Chaetoceros armatus: INE, USA, Washington 13227
Chaetoceros simplex 4785
Chaoborus 5210
Cheilotrema saturnum 13199
Chlorella 6059
Chlorella fusca 12761
Ciliata 8665

irrhina reba 12988
occinella septempunctata 8314
opepoda 2707
cyanobacteria 3841
yclotella cryptica 10339
aphnia magna 5217
aphnia pulex 8186
iatomaceae 12768
ictyota dichotoma 11923
iptera: USA, Oklahoma, Honey Creek 11707
rapermaldia mutabilis 10752
ugesia dorotocephala 13196
ugesia tigrina 10770
ucheuma isiforme vare denudatum 11522
uglena gracilis 6071
ammarus pseudolimnaeus 6459
eloina proxima 10729
gartina acicularis 9133
loeodinium montanum: Finland 10797
olfingia gouldii 12831
ymnodinium breve 13171
ydra viridis 4251
ydromantes italicus 13198
idaea cordata 13221
mulus 11696
mulus polyphemus 10514
oligo 7414
enidia audens: USA, California, Clear L. 13181
illepora complanata: ASW, Jamaica 10814
yxophyceae 11507
avicula ostrearia 2518
egapriion brevirostris 7408
ephrops norvegicus 5189
otommata copeus 4852
ctocorallia: ASE, France 4100
richidium verruculatum 11650
ronectes limosus 10506
chygrapsus marmoratus 4974
undalus borealis 11684
evona praetorta: ISEW, Marshall Is. 13384
enaeus 4098
enaeus duorarum 9592
troglossom nicaeense 7121
aeodactylum tricornutum 9155, 9776, 9895
aeophyta 11950
scies 7312, 10023
anaria 5216
athemis lydia 8318
otozoa 2586
ana catesbeiana 5120, 8457
ana esculenta: Italy, Naples 11844
ana pipiens 8463
hinichthys atratulus 6285
hithropanopeus harrisi 2954
elinator fragilis 3922
ulmo salar 5054, 9419, 13671
enedesmus protuberans 9607
enedesmus quadricauda: Netherlands,
 Tjeukemeer 12758
emotilus atromaculatus 9422
keletonema costatum: ANW, Hudson Bay 13174

Stichococcus bacillaris 11535
Stigeoclonium farctum 10752
Stizostedion vitreum 9583
Styela plicata 8444
Synechococcus elongatus 10967
Talorchestia quoyana 10730
Uca pugilator 8288
 Caves: *Plumaria elegans*: ANE, Eire 1675
 Gametes: *Enteromorpha* 1676
 Growth rate: *Porphyra yezoensis* 3421
 Photosynthesis: *Pennales* 2527
 Respiration: *Lepisosteus platostomus* 1573

Light fishing,
 3391, 11164
 ASE, Mediterranean 13565
Panulirus longipes 7785
Scomberesox saurus 13570
 Surrounding nets 3386

Light microscopy,
Bacteria 2449
Copepoda 8268
Echinospaerium nucleofilum 12789
Fundulus heteroclitus 10583
Orconectes limosus 10488
Phascolosoma agassizii 10273
Pinnularia ambigua 10302
Porphyridium purpureum 9129
Sacoglossa 10424

Light penetration,
 3708, 5787, 9512, 10134, 12717
 ANE, Baltic 9751
 ASE, Black Sea 4665
 British Isles, Scotland, Lakes 12739
 INW, Japan 8999
 INW, Korea, Yeong-il Bay 2339
 IS, Pacific 3111
 ISE 2386
 ISE, Peru 2386, 3111
 Israel, Kinneret L. 8660
 Poland, Goczałkowice Reservoir 6393
 South Africa, Hendrik Verwoerd Dam 8659
 USA, Ohio, Columbus 7065
 USSR, Baikal L. 5849
Sagitta 3827
Zostera marina: INE, USA, California, Agua
 Hedionda 10747
 Freshwater 56, 2309
 Sea water 56, 1157

Limnological data,
 Austria, Woerthersee 1140
 Italy, Udine, Fusine L. 52
 Netherlands, Inland waters 12711
 USA, California 3743
 USA, Georgia, Yellow R. 8488
 USA, Pennsylvania, Edinboro L. 12056
 USA, Tennessee, Upper Stones R. 8134
 USA, West Virginia, Inland waters 11321

Limnological equipment,

5844, 6980, 7969, 8694

Algae 9769

Reovirus 4753

Limnological institutions,

British Isles 6

Limnology,

6385, 6386, 7973, 7974, 7993, 11348

Africa, Kainji L. 8990

Africa, Rudolf L. 9761

America, Erie L. 8997, 9510

Antarctica, Ross Island, Bird Pond 7002

ASW, Mexico, Veracruz, Pueblo Viejo Lagoon 8636

British Isles, England, Somerset 4658

Europe, Geneva L. 2355

France, Corbieres 5929

India, Dharwar, inland waters 10704

India, Govindgarh L. 13383

India, Tamilnadu 12612

ISW, Aqaba Gulf 11369

Italy, Lugano L. 10151

Italy, Maggiore L. 10151

Lesser Antilles, St. Vincent 11865

Mozambique, Zambezi R. 9335

Netherlands, Vechten L. 12608

New Zealand 6984

New Zealand, Christabel L. 11201

Philippines 13525

PNW, Kildin I., Mogil'noe L. 5848

PSW, Argentina 6932

Rhodesia, Mwenda R. 10158

St. Vincent 7592

USA, California, Shastina L. 3726

USA, Minnesota, Elk L. 12513

USA, Montana, Flathead L. 13116

USA, New Jersey, Barnegat R. 4479

USSR, Inland waters 11422

USSR, Ladoga L. 6598

USSR, Onega L. 6598

Zambia, Banweulu L. 53

Bacillariophyceae: Poland, Goczkowice

Reservoir 6393

Books 1131

Chemical composition: Sicily, Faro L. 70

Gases 1168

Oxidation: *Bacteria*: Canada 67

Plankton: ASW, Puerto Rico, Cano Corazones 441

Sediment analysis: Italy, Inland waters 100

Line fishing,

5569

Scombridae: ASE, Africa, northwest coast 12325

Scombridae: ASW, Brazil 3476, 12324

Thunnus alalunga: A, Atlantic 12422

Thunnus alalunga: ASE, France 13788

Thunnus albacares: A, Atlantic 12439

Line fishing gear,

Tribolodon hakonensis 13563

Baits: *Thunnidae* 834

Gear research 2079

Lithium,

2416, 5841

Littoral zone,

11151, 13966

ANE, British Isles, Scotland 8669

ANE, France 11150

ANE, France, Somme Bay 12293

ASE, France 11150

INW, Korea Rep. 3803

Poland, Jaziorak L. 3089

Poland, Mikolajskie L. 13393

PSE, Australia, Sydney, Long Reef 6603

Algae: INE, Canada, Gulf Isl. 13118

Copidognathides minutirostris: ANE, France,

Roscoff 11712

Gastropoda: ASE, Aegean Is., Rhodes 4873

Macrophyta: Africa, Rudolf L. 9742

Macrophyta: ISW, India, Goa, Miramar 10957

Mollusca: ASE, Sicily, Acitrezza 11600

Mollusca: ISW, Mauritius 6578

Mytilus galloprovincialis: ASE, Black Sea 11885

Nematoda: PSW, Chile 3885

Pisces: Africa, Rudolf L. 9742

Pisces: INW, Kuril Is. 10950

Rapana thomasiana: ASE, Black Sea 11886

Typha domingensis: Africa, Malawi, Lake Chilwa 73

Hydraulics: ASE, France 852

Pond construction: ASE, France 852

Water analysis (chemical): *Phragmites communis*:

Germany, F.R., Gnadensee L. 1209

Liver,

Amphiuma means 6313

Anguilla anguilla 8747

Charonia lampas 9262

Gadus morhua 4032

Galeocercus cuvier 13008

Heteropneustes fossilis 6695

Ictalurus punctatus 7261

Lepomis cyanellus 7262

Micropterus salmoides 10621

Myxine glutinosa: ASE, Sweden, Gullmar Fiord 858

Oncorhynchus tshawytscha 9233

Pisces 5078

Pisces: ANE, Ireland 9424

Platichthys flesus 13020

Pontoporia blainvillei 10667

Pseudopleuronectes americanus 8391

Raja erinacea 11801

Salmo gairdneri 2986, 2987, 7327, 8377, 10639, 13021,

13022

Salvelinus fontinalis 3290

Scophthalmus maximus 13278

Squalus acanthias 11801

Enzymes: *Ictalurus punctatus* 1509

Fish oils: *Selachii*: ASW, Brazil 2193

Lobsters,

Stocking: ASE, France, Brittany 989

Locomotion,

3830

Acanthamoeba castellanii 9237

Anguilla rostrata 13165, 13440

Anthozoa 7411

Astacidae 12923

zenoptera 9504
ta digitalis 9595
anus helgolandicus 2955, 2956
diactis parasitica 10778
assius auratus 10756
cinus mediterraneus: ASE, Venice Lagoon 11939
olinia inflexa 4887
ilotrema saturnum 13199
lonia mydas 8464
inoplax hartwegii: INE, USA, California, Pacific
 Grove, Mussel Point 8524
rinus carpio 7310
adrodia grossularia 11850
oflagellata 10370
gesia tigrina 10770
enmannia 13199
hydattia fluviatilis 9564
ochromis burtoni 4121
marus gammarus 9287, 10785
drophiidae 10666
ipris guttatus 10560
omis cyanellus 5212
omis macrochirus 10650
igo vulgaris 10456
enia elongata: ISW, Aqaba Gulf 11934
tuta lunaris 11989
rcenaria mercenaria 11642
rothamnon kuetzingianum 9597
nodonta turbinata: ASE, Italy, Trieste 11892
palia muscosa 8525
palia muscosa: INE, USA, California 8523
phrops norvegicus 5189
phiocephalus striatus 9631
lea edulis 9552
linurus vulgaris 10774
ulirus vulgaris 10516
tramecium tetraurelia 9202
taeus 4098
phocoena phocoena 11832
ces 4730, 8351, 11200
uronectes platessa 9551
ytomella agilis 10297
omatopus saltatrix 8546
oboscidactyla flavicirrata 2953
ummechinus miliaris 6076
tilus rutilus: Finland, Kiutajaervi L. 10889
mo gairdneri 5212
mo salar: USSR, Inland waters 5177
isula solidissima 11642
ualus acanthias 9411
ymphia coccinea 10419
lochoplana sargassicola: INE, USA, California 9170
orchestia quoyana 10730
leostei 8356
tarahymena 10777
alassotrechus barbarae 9563
apia mossambica 10651
achinus uipera 7260
tonia 7412
lophus californianus 9454
 2457

Numerical analysis: *Pisces* 364
 Respiration: *Cynatogaster aggregata* 1691

Lotic environment, 10282

Germany, Fed. Rep., Bavaria, Ammer R. 5532
 Self purification: Germany, Fed. Rep.,
 Baden-Wuerttemberg, Mettm R. 578, 579

Lysis, *Algae* 9796

Magnesium,
Cambaridae 12917
Cricospaera carterae 10421
Cyprinus carpio 10830
Echinoida 12807
Echinoidea 10399
Pisces 12466

Magnetic anomalies,
 ANE, Iceland 2426
 ANE, Reykjanes Ridge 2426

Magnetism,
 British Isles, Northern Ireland, Lough Neagh 4708
Raja clavata 10631
Tetrahymena pyriformis 10266
Trygon pastinaca 10631
 Plant control: USA, Florida 3352

Management,
 Fishery management 994

Manganese,
 7045, 7992, 11360, 11402, 11428, 11429, 13947
 America, Erie L. 9010
 ANE, Netherlands, Wadden Sea 10175
 ASE 4692
 British Isles, England, Beaulieu Estuary 9851
 ISE, Cook Is., Rarotonga 7057
Cirripedia 8068
Oryzias latipes 8371
 Adsorption: *Cystoseira barbata* 719
 Anoxic conditions: *Cystoseira barbata* 719
 Mineral resources 3349
 Radioisotopes: *Cystoseira barbata* 719

Mangrov swamps,
Crassostrea 13729

Mangrove swamps,
 ASW, Florida, Everglades 9788
 Mexico 2872
Avicennia marina: ISW, Egypt, Arab. Rep. 12156
Chiromanthus darwinensis: ISW, Sri Lanka 6129
Cyanophyceae: ISW, Egypt, Arab Rep., Ras
 Muhammad 11442
Geloina proxima 10729
Neosarmatium malabaricum: ISW, Sri Lanka 6129
Pinctada radiata: ASW, USA, Florida 12257
 Coastal fisheries: IS 808
 Herbicides: ISEW, South Vietnam Rep. 8791
 Taxonomy: *Actinoplanes*: ISE, Hawaii, Oahu 121
 Taxonomy: *Phycomycetes*: ISE, Hawaii, Oahu 121

Manuals,
 7027, 7066, 11164, 12523, 12524, 13520, 13805

Algae 4729
Oncorhynchus 5009
 Fishermen 1086
Mapping,
 2320, 5817
 Africa, Albert L. 4720
 Africa, Victoria L. 4720
 ANE, Eire 2422
 ANE, France 6958
 ASE, France 6958
 I, Pacific 3723
 ISE, Peru Current 2392
 ISEW, Great Barrier Reef 5800
 Uganda, Kyoga L. 4720
 2311
 Ocean floor: ISE, East Pacific 99
Marine aquaculture,
 6815, 6818, 11171, 12338, 13610
 ANE, British Isles, Scotland 12339
 ANE, France, Quiberon 13613
 ASE, Israel 9996
 ASE, Spain 13609, 13743
 INE, Canada, Brandon Isl. 8834
 INW 9964
 ISEW, Taiwan 12337
 Italy 13608
 Philippines 13730
 USSR coasts 8829
Brachionus plicatilis 13612
Chanos chanos 13655
Chelonia mydas: ISW 6839
Clupea harengus 2086
Crassostrea gigas: ANE, Germany F.R. 7831
Crassostrea gigas: ISEW, Hong Kong, Tung Chung Bay 13740
Crassostrea virginica 13721
Mercenaria mercenaria 13721
Mugil cephalus 12368
Mugilidae: ASE, Italy 5582
Oncorhynchus 11178
Oncorhynchus: INE, USA, Washington 13633
Oncorhynchus kisutch 5599
Penaeus japonicus: INW, Japan 13739
Pisces: India 12371
Platichthys flesus: ASE, Italy 4461
Pleuronectes platessa: British Isles 13639
Salmo gairdneri 13629
Salmo gairdneri: ASE, France, Ile de Re 13643
Salmonidae 7888
Scophthalmus maeoticus: ASE, Black Sea 10002
Scophthalmus maximus 13645
Scophthalmus maximus: British Isles 13639
Seriola quinqueradiata: Japan 13649, 13649
Sparus auratus: ISW, Israel, Eilat 13615
Strombus gigas 10815
 Chemistry 7796
 Conferences 861
 Economics 7795
 Palatability: *Heterosomata*: British Isles 3509
 Pollution effects 502
 Resource development: PSW, Argentina 860

Resource development: *Siganidae* 2090
 Resource management: *Paracentrotus lividus*: ANE, France, Brittany 2052
 Resource management: *Pecten jacobaeus*: ANE, France, Brittany 2052
 Resource management: *Pecten maximus*: ANE, France, Brittany 2052
 Resource management: *Venus verrucosa*: ANE, France, Brittany 2052
Marine ecology,
 2372, 3823, 5557, 5937, 6388, 6814, 8531, 9732, 10109, 10114, 13965, 13966, 13967
 ANE, Baltic 8935
 ANE, France, Chausey Archipelago 7357
 ANE, Netherlands, Delta Area 6391
 ANW, Canada, Nova Scotia 9745
 AS 8936
 ASE, Mediterranean 2869
 ASW, Cuba 4577
 ASW, US Virgin Is., St. Croix 8645
 Australia coasts 5556
 British Isles, Oban 8933
 PNW, Kildin I. 5848
 PSE, New Zealand 7345
 World ocean 3629
 World oceans 8486
 Algae 7543
 Algae: USA, Massachusetts, Cape Cod 6389
Appendicularia: ASE, Alexandria Sea 1603
Arctcephalus gazella: PS 13846
Balanus balanoides 6127
Ballistidae: ASW, Cuba 12965
Brachyura: World oceans 6607
Branchiostoma plataea: ASW, Brazil, Ilha Grande 5138
Bryozoa: ASW, Brazil, Ilha Grande 5137
Callorhinus ursinus: IN 13842
Cetacea 13064, 13065
Cetacea: ANE 13117
Cetacea: ANW 13117
Cetacea: IN, Bering Sea 13117
Cetacea: ISE 13117
Cetacea: ISE, California Current 13117
Cetacea: PS 13117
Chaetognatha: ASW 8637
Chelonia mydas: ISW 6349
Chondrus crispus 7880
Colubraria reticulata: ASE, Sicily 9240
Copepoda 2984
Copepoda: AS 3034
Copepoda: ASE, Mediterranean 3034
Demospongia: ASE, Mediterranean 13377
Echiurida: ASW, Brazil, Ilha Grande 4811
Encope grandis: ISE, California Gulf 5295
Enhydra lutris: IN 13073
Foraminifera: ASW 8637
Foraminifera: ASW, Venezuela 13366
Gammaridea: ASE, France 11652
Globicephala macrorhynchus: ISW 13068
Halichoerus grypus: ANE, British Isles 13070
Homarus americanus: ANW, USA, New England 7198
Hydroida: ASW, Colombia, Santa Marta 3145

- uwonus pelamis* 13315
inus crocineus: ISW 6534
ma: ASE, Spain, Vigo 13365
malia 6343
ya grantii: ISE, California Gulf 5295
schus monachus 13072
ceti: Southern hemisphere oceans 13211
branchia: ANW 7378
philus groenlandicus 13069
y vitulina: ANE, British Isles 13070
y vitulina: ANW 13074
y vitulina: IN 13079
ena dioptrica: ASW 13067
enoides: INW 13312
pedia 13066
 6188
s: Tasmania 1650
centridae 6187
onia australis: ISW, Australia, Western Australia,
 Ekburn Sound 7346
opoda: ASW 8637
actinia 7543
bridae: ASE 11919
ia 13065
us auratus: ASE, Spain, Alfaques Bay 12939
ia: ASE, Spain, Vigo 13365
otryon pellucidum: INW, Japan, Ago Bay 6782
 2248
chains: Pisces: INW, Japan, Sendai Bay 481
raphical distribution: *Coccolithophoridae*: ANE,
 rway, Skjomen Fjord 1645
ic province: I, Pacific 1841
tive value: *Phoca hispida* 2985
tion effects: *Ciliata*: ANE, Germany, Fed.Rep., Sylt,
 enigshfaen 636
ne engineering,
 73, 4412, 5579, 5776, 5779, 5783, 5812, 5815, 5829,
 63, 6747, 6772, 6775, 6795, 6934, 8932, 8986, 10233
 , British Isles, Shetland 11135
 , USA, New York Bight 6750
 , USA, California 3686
 , USA, California, San Diego Bay 109
 ,ma, Canal Zone 4392
) 10120
 Florida 3639
 Philadelphia, Lehigh Univ. 10108
 ndustry 2442
 rwater exploitation 39
ne environment,
 30, 11117, 11276, 11317
 France 10118
 , USA, Florida, Biscayne Bay 4428
 s: ISW, India 9882
 72
 tion: ANE, Baltic 3167
ne fisheries,
 57, 12249, 12330
 , Iceland 11272
 Mauritania 13534
 , USA 6190
 11158
- Germany, F.R. 8928, 10042, 10081
 INE, USA, California 11219
 INW, Japan 13521
 ISEW, Philippines 12550, 13526, 13931
 ISW, India 9963
 ISW, India, Kerala 12315
 ISW, India, Orissa 6880
 PSW, Argentina, Patagonia 11157
 PSW, Southern African Coast 11239
 World ocean 3629
Katsuwonus pelamis: ISEW, Indonesia 799
Salmonidae 12326
Scombridae: A, Atlantic 13860
Theragra chalcogramma: INW, Japan Sea 7863
Thunnus albacares: ISEW, Indonesia 799
Marine geology,
 10214, 10233, 11048
 AN 8025
 ANE, North Sea 8038
 ASE, Guinea Gulf 4702
 ASW 3807
 ASW, Cuba 11421
 ASW, US Virgin Is., St.Croix 8645
 PSW, Albatross Cordillera 11409
 PSW, South Africa Rep. 9063
 World Ocean 4699
 World ocean 5896
 2249
Marine parks,
 ASE, France, Port-Cros I. 7772
 ASE, Italy, Trieste 3359
 PSE, Australia, Sydney, Long Reef 6603
Marine pollution,
 2280, 2290, 2383, 2478, 3232, 3235, 3239, 3240, 3241,
 3245, 3251, 3319, 4344, 6688, 7610, 7614, 7616, 7659,
 7738, 7740, 8729, 11020, 11032, 11117, 12249, 12721,
 13610, 13944
 AN 3242
 ANE, Baltic 6621, 7646, 13415
 ANE, Baltic Sea 6656
 ANE, British Isles 7617
 ANE, France 5455
 ANE, Germany F.R. 9829
 ANE, Irish Sea 13436
 ANE, North Sea 12219
 ANW, USA, Maine, Searsport 5473
 ANW, USA, Massachusetts, Taunton River-Mount Hope
 Bay Estuary 4489
 ASE, Africa coasts 13484
 ASE, France 5455, 7672
 ASE, France, Port-Cros I. 7772
 ASE, Mediterranean 2281, 5780, 7619, 7663, 7671, 7702,
 11118
 ASE, Spain, La Coruna 13483
 ASE, Yugoslavia 7615
 ASW, Cuba 4577
 INE, USA, California 7721
 INW, Japan 6651
 INW, Japan Sea 4288
 ISEW, Hong Kong 7052
 ISEW, Hong Kong, Tolo Harbour 13432

ISW, India, Bombay 11043
 Japan 7889
 World Ocean 7613
Bacillariophyceae: ANE, British Isles, Severn Estuary 12233
Bacteria 4739
Bacteria: ASE, Italy, Bari 4309
Bacteria: ASE, Italy, Rome 12176
Crassostrea gigas: ISEW, Hong Kong 6125
Escherichia coli 11038
Mytilus edulis 13467
Mytilus galloprovincialis: ASE, Venice Gulf 11068
Pleuronectes platessa 8744
Pseudopleuronectes americanus 8375
 499
 Coastal zone: ASE, Black Sea 2204
 Coastal zone: INW, Japan Sea 2204
 Coastal zone: PNW, White Sea 2204
 Data processing: USA 679
 Dispersion 576
 International exchange: World Ocean 505
 International organizations 2273
 Legislation 663
 Tropical zones 503
 Waste water: INE, USA, California 493
 Water circulation 576

Marketing,

2220, 5758
 ASE, Adriatic 5710, 5711
 Europe, EEC 4528
 Germany, F.R. 10078
 Germany, F.R., Bavaria 5720
 Spain 10126
 USA, Illinois 8702
Anguilla: Europe 13926
Cephalopoda 13871
Macrozoarces americanus: USA, New England 11270
Micromesistius poutassou: British Isles 12492
Paralichthys dentatus: ANW, USA, New Jersey 4166
Penaeidae: USA 4529
Pisces 3582
Pisces: Congo, People's Rep. 10076
Pisces: Guatemala 5718
Pisces: India 12497
Pisces: Japan 12494
Pisces: South Africa 3583
Sardina: Brazil 10080
Scombridae: Japan, Yaizu 13576
 Artisanal fishing: Burundi, Tanganyika L. 2228
 2225
 Fishery economics 1063
 Fishery products 3570, 3573
 Fishery products: British Isles 3572
 Fishery products: Indonesia 1064
 Fishery products: USA 3571
 Fishery products: *Merluccius gayi*: Peru 3579

Marketing aquatic products,

USA 3581
Bivalvia: USA 3598
Crustacea: USA 3598

Marketing fishery products,

Salmonidae 7888

Marking,

13805
Coleoptera 5944
Galaxias vulgaris: New Zealand, Glentui R. 10760
Pollachius virens: ANE, Norway 11900
Thunnus alalunga: A, Atlantic 13794
 Stock assessment: *Perca fluviatilis*: Norway 1009
 Stock assessment: *Pisces* 1015
 Stock assessment: *Salvelinus alpinus*: Austria 1016

Mari,

Acritarcha: Belgium, Gelinden 8635

Marshes,

8675
 ANW, USA, Virginia 4426
 Finland, Kuusamo, Kangerjoki 8912
 France, Mes R. 10248
 USA 4418
 USA, Michigan 7747
 USA, Minnesota, Marcell Experimental Forest 7979
 USA, North Carolina 4172
Algae: Finland 10283
Carabidae: Canada, Quebec 7226
Chelodina: New Guinea 13084
Invertebrata: USA, Iowa 9797
Sciaenops ocellata: USA, South Carolina, South Island 13234
 Brackishwater aquaculture: India 2119

Mathematical models,

2382, 2383, 2393, 2395, 2407, 2968, 2983, 3056, 3234, 3235, 3236, 3238, 3241, 3246, 3247, 3249, 3750, 3751, 3762, 3764, 3774, 3781, 4235, 4383, 4573, 4574, 4575, 4632, 4696, 4697, 4727, 5452, 5481, 5760, 5761, 5868, 5870, 6626, 6642, 6741, 6918, 6921, 6922, 6924, 6927, 7600, 7622, 7915, 7917, 8065, 8570, 8899, 8900, 8901, 8905, 9036, 9041, 9818, 9918, 10094, 10095, 10096, 10098, 10188, 10193, 10196, 10198, 10199, 10205, 10259, 10267, 10790, 11042, 11222, 11424, 12031, 12096, 12144, 12184, 12250, 12456, 12458, 12459, 12460, 12607, 12623, 12624, 12625, 12626, 12634, 12645, 12646, 12647, 12649, 12650, 12651, 12652, 12653, 12656, 12657, 12684, 12710, 13192, 13381, 13388

A, Atlantic 7020

America, Erie L. 9015, 9803

America, Michigan L. 12622

America, Ontario L. 12583

America, St. Lawrence 9850

AN 9000, 12599

ANE, North Sea 5873

ANE, Solent 9846

ANW, Canada, Newfoundland Ridge 2397

ANW, Narragansett Bay 3780, 9037

ANW, USA, New York, Jamaica Bay 3768

ANW, USA, Pennsylvania, Indian Creek 12169

ANW, USA, Rhode Island 11126

AS, Atlantic Equatorial Undercurrent 7021

AS, North Equatorial Current 11372

AS, South Equatorial Current 11372

ASE 12599, 12637

- ASE, Adriatic 9034
 ASW, Atlantic 7995
 ASW, Sargasso Sea 3763
 ASW, USA, Texas, Corpus Christi Harbor Channel 13434
 ASW, Venezuela 5880
 Atmosphere 10204
 Australia, Mulwala L. 10217
 Canada, Ontario, Trent R. 8906
 Canada, St. Laurent R. 2334
 Denmark, Esrom L. 6923
 France, Pavin L. 10913
 Germany, D.R. 8705
 Germany D.R., Mecklenburg 7980
 Germany, D.R., Wipper R. 6744
 Germany, F.R., Bavaria 8067
 Germany, F.R., Constance L. 10149
 NE, USA, Oregon, Newport 10191
 NE, USA, Washington, Duwamish R. 8993, 8994, 9005
 SE, Peru 9794
 SEW, Taiwan 10157
 SEW, Taiwan, Taichung Harbour 10192
 PN, Arctic 12648
 PSE, New Zealand 3779, 7918
 PSE, Southern Ocean 9035
 USA, Illinois, Kiskiminetas R. 7055
 USA, Michigan L. 8721
 USA, New Jersey, Passaic R. 3698
 USA, Susquehanna R. 6620
 USA, Utah, Deer Creek Reservoir 7056
 World ocean 8007
 World Ocean 12184
 World oceans 10185, 10204
Acartia clausi 10845
Aedes stimulans-fitchii: USA, Michigan 10888
Algae 5328, 6438, 7440
Amphiprion 8671
Anabas testudineus 8395
Balaenoptera acutorostrata: PS 13832
Calanus helgolandicus 2955
Cerastoderma edule 6081
Clupea harengus: ANW, St. Lawrence Gulf 13331
Crassostrea: ANW, USA, South Carolina 4497
Cypraeidae: World zoogeographic regions 10712
Cyprinus carpio 10795
Ephydatia fluviatilis 9564
Gammarus olivii: ASE, Black Sea 2706
Haliotis discus 10450
Haplochromis burtoni 10757
Morone saxatilis: USA, New York, Hudson R. 11140
Nautilus 8190
Nitella 6008
Penaeidae 12032
Pisces 2819
Premnas 8671
Protozoa 6398
Sardinella aurita: ASE, Congo, People's Rep., Pointe-Noire 8556
Scomber scombrus: ANW, St. Lawrence Gulf 13331
Spartina: ASW, USA, Georgia 9744
Spheniscus demersus 8619
Squilla mantis 13330
Stoichactis 8671
Thalassoma bifasciatum 11792
Zalophus californianus 8472
 Computer applications: ASE, Mediterranean 3610
 Ecosystems 486
 Energy flow 486
 Fish culture: *Oncorhynchus* 890
 2225
 Fishery economics 1065
 Fishing mortality 1022
 Geostrophic currents: ASE, Portugal Current 84
 Ground water 105
 Inland fisheries: Africa 991
 2064, 2298
 Marine environment: ASE, Mediterranean 3611
 2448
 Numerical analysis 1022
 Oceanographic data: ASW, Brazil 1148
 Reservoirs: Germany, F.R., Lahn R. 1244
 Water analysis (chemical) 2373
 Water quality 552
 Water quality: Canada, British Columbia, Lower Fraser R. 1937
 Yield 1022
 Yield: *Stet sprattus*: ANE, North Sea 1032
Mathematics,
 2236, 8681
Measuring devices,
 3694, 3695, 3716, 3718, 3719, 5826, 5833, 5837, 7534,
 9512, 12559, 13130
 ANE, Sylt Is. 8010
Anguilla 13572
Oncorhynchus 9087
Pisces 12716
 Cytology: *Characeae* 2456
Mechanical stimuli,
 5526
Loliguncula brevis 6101
Morone 5524
Pisces 5525
Medical products,
Chondria armata 8303
Gadus morhua 11259
Limulus polyphemus 3549
Spongia 7959, 7960
Medicine,
 USSR 6966
Meiosis,
Acipenseridae 12986
Ambystoma mexicanum 6372
Chelonia 9480
Floriodeophyceae 10321
Nereis diversicolor 8177
Peridinium willei 12759
Pylaiella littoralis 11502
Stela plicata 10391
Thalassomyia frauenfeldi: ASE, Bulgaria 11715

- Triturus cristatus* 10687
Xenopus laevis 6372, 8445, 9462
 Cell division: *Acetabularia mediterranea* 141
- Mercury,**
 3671, 3737, 4297, 4619, 4628, 6701, 7703, 11032, 13421, 13486
 America, Erie L. 9856
 ASE, Spain, La Coruna 13483
 ASW, Mexico Gulf 9839
 Canada, Ottawa R. 7664
 Germany, F.R., Nordrhein-Westfalen 4385
 INE, USA, California 4302
 INE, USA, California, San Francisco Bay 7048
 INW, Japan Sea 4288
 South Africa, Rietulei Reservoir 11104
 USA, Nevada, Carson R. 4330
Algae 11097
Asterionella formosa 11083
Bacteria 3275
Capitella 9894
Chlamydomonas reinhardtii 8740
Clupeidae: ASE, Africa coasts 13484
Coelastrum microporum 3854
Crassostrea virginica 7718, 7719
Crustacea: ASE, Africa coasts 13484
Daphnia pulex 8740
Dunaliella tertiolecta 6708
Esox lucius: Sweden, Marmen L. 9873
Fragilaria crotonensis 11083
Galeorhinus australis: Australia, Victoria 12163
Invertebrata 12486
Makaira nigricans 11075
Mollusca: ASE, Mediterranean 6679
Myoxocephalus quadricornis: ANE, Baltic 5492
Pagophilus groenlandicus 13487
Palaemonetes vulgaris 5503, 8727
Penaeus setiferus 13478
Perca flavescens: Canada, Ontario, Ottawa R. 9886
Pisces 2815, 7634, 12175, 12486
Pisces: AN 5476
Pisces: ANE, Iceland 5700
Pisces: ASE, Africa coasts 13484
Pisces: ISW, India 9882
Pisces: USA, Ohio 5491
Pisces: USA, Ohio, Lake Erie 7666
Pisces: World oceans 12163
Platycephalus bassensis: PSE, Tasmania 4380
Salmo gairdneri 3287, 8740
Teleostei: Germany, F.R., Inland waters 8756
Thynnus orientalis 11088
Zalophus californianus: INE, USA, California 9890
Bacteria 3260
 Bioaccumulation: *Pediastrum borganum* 1996
 Bioaccumulation: *Sebastes baramenue* 1978
 Bioaccumulation: *Sebastes flammeus* 1978
 Bioaccumulation: *Seriola quinqueradiata*: INW, Japan 581
 Bioaccumulation: *Unionidae* 1992
 Chemical pollutants: INE, Puget Sound, Bellingham Bay 651
 Chemical properties 71
- Controlled conditions 3272
 Food chains: *Seriola quinqueradiata*: INW, Japan 581
 Phytoplankton 3260
 Pollution effects: *Chrysophrys auratus*: PSE, New Zealand 1998
 Pollution effects: *Crassostrea virginica* 7718
 Pollution effects: *Cypria ophthalmica* 1987
 Precipitations (atmospheric): New Zealand, Ngawha Springs 1171
 Radioisotopes: *Crassostrea virginica* 7719
 Sediment analysis: USA, Oregon, Huleh, L. 1960
 Toxicity: *Salmo gairdneri* 2005
- Meristic counts,**
Carassius auratus: Romania, Nitra R. 11723
Gasterosteus aculeatus: Canada, Queen Charlotte Is. 10906
Odacidae: PSE, New Zealand 10565
Pisodonophis cruentifer: ANW 10541
Rivulus cylindraceus 8363
Sierrathrissa leonensis: Nigeria, Kainji L. 9361
Thorogobius ephippiatus: ANE, Eire, Co. Galway 7237
Trachurus symmetricus: ISE, Peru 11768
- Mesh regulations,**
Merluccius merluccius 13567
Merluccius merluccius: PSW, South Africa 4504
Trachurus 13567
- Metabolic rate,**
 3060
Acanthaster planci 13437
Algae 8118
Ancylus fluviatilis 7188
Angiospermae: ASW, Cuban Shelf 7575
Cancer pagurus 9621
Carcinus maenas 9621
Copepoda: AS 2720
Copepoda: ISE 2720
Coregonus autumnalis 6453
Glycera dibranchiata 10400
Invertebrata 6484
Invertebrata: ASE, Black Sea 12300
Leuciscus idus 6453
Libinia emarginata 9621
Morone saxatilis 6330
Mytilus californianus 3944
Neomysis mirabilis 4996
Nereis virens 10400
Oncorhynchus nerka 9441
Pisces 6484
Pisces: ISE 2839
Pseudopleuronectes americanus 10726
Salvelinus fontinalis 8383
Styela plicata 10681
Thymallus arcticus 6453
- Metabolism,**
 4735, 8640, 10946, 11512, 12721
 Africa coasts 10922
 INE, USA, Washington, Dabob Bay 9697
 Yugoslavia, Inland waters 5397
Abarenicola pacifica 6498
Acanthephyra 9300

- Acetabularia mediterranea* 9148
Algae 6680, 11195
Anabaena cylindrica 11455, 11513
Anabaena variabilis 2537
Ancylus fluviatilis 4232
Anguilla 13553
Anguilla anguilla 6504, 8748, 12999
Anguilla rostrata 9430
Anodonta Cygnaea 3940
Anoplogaster cornuta 10646
Antimora rostrata: ISE, Hawaii 6297
Armadillidium nasutum 11705
Artemia salina 379, 7218
Aspergillus oryzae 2388
Asterias rubens 12827
Axinella polypoides 7171
Bacteria 2482, 5405, 8719, 11040
Bacteria: PSW, South Africa, Swartveli 13269
Bivalvia 11636
Brevoortia tyrannus 6318
Bryophyta 4111
Bufo arenarum 9386
Calanus helgolandicus 7451
Callitriche hamulata 3852
Cancer irroratus 7437, 10490
Carassius auratus 5066, 6304
Carcinus maenas 7437
Characeae 10343
Chiridota rigida 2587
Chlamydomonas reinhardi 12757
Chlorella ellipsoidea 6010
Chlorella fusca 3857, 4787, 7129
Chrysaora quinquecirrha 9230
Cirrhinus mrigala 6273
Clarias batrachus 6287
Coelastrum microporum 3854
Crassostrea virginica 5256
Cyclotella cryptica 10337, 10338, 10339
Cylindrotheca fusiformis 10340
Cyprinus carpio 5233, 7307
Diemictylus viridescens 8476
Engraulis mordax 2834
Esox lucius 6492, 13039
Gadus morhua: ANE, Baltic Sea 5092
Gnathonemus petersii 5081
Hemiptera 12934
Heteropneustes fossilis 13049
Homarus americanus 7437
Hydra littoralis 12820
Hydrobia ventrosa 5250, 5251
Littorina saxatilis 10875
Loligo vulgaris 10456
Lymnaea stagnalis 4931
Macoma balthica 9570
Marionina achaeta 8182
Mercenaria mercenaria 7714
Mercenaria mercenaria: ANW, USA, Rhode Is. 2652
Microphallus similis 10875
Misgurnus fossilis 2813, 5097, 9447
Monochrysis lutheri 11959
Morone saxatilis 5267
Mya arenaria: ANW, USA, Rhode Is. 2652
Mytilus edulis 3939, 4361, 9250, 12858, 12869
Nassarius obsoletus 9255
Neoplea striola 5004
Nitella acuminata 9163
Nuttallina californica: INE, USA, California, Point Pinos 8241
Ochromonas malhamensis 6010
Octopus dofleini 12873
Octopus vulgaris 6120
Ophiocephalus punctatus 10630, 13035
Orconectes limosus 9312, 11705
Oxyrrhis marina 2510
Paramoera walkeri 2717
Paratelphusa hydrodromus 8292
Penaeus japonicus 10504
Pisces 2836, 4033, 6341, 6342
Pista pacifica 4859
Plethodontidae 8475
Pleuronectes platessa 2828
Prorocentrum micans 10345
Pseudobranchius striatus 8476
Pseudopleuronectes americanus 5193
Rana 82 *Rana aesculenta* 8451
Salmo gairdneri 2987, 8377, 8749, 10639, 11977, 13057, 13474
Salmo trutta 13046
Salvelinus fontinalis 6475
Scenedesmus acutus 3127
Sphaerodema molestum 5007
Symplectoteuthis oualaniensis 6112
Taricha torosa 8476
Teleostei 7315, 11908
Trachurus symmetricus 2834
Tubifex tubifex 10418
Tubificidae 5405
Virus cyanophage AS-1M 8609
Anaerobic respiration 1272
Chemical analysis: Salmo gairdneri 1561
Chemical composition: Sicily, Faro L. 70
Cold storage: Placopecten magellanicus 2222
Energy flow: Pisces: USA, Kentucky, Inland waters 456
Fatigue: Trachurus mediterraneus 282
Feeding: Cyprinus carpio 1722
Nannoplankton: Bacteria 123
Nitrogen: Bacteria 125
Phosphates: Trachurus mediterraneus 282
Photosynthetic pigments: Cyprinus carpio 288
Production rate: Ancylus fluviatilis 201
Respiration: ASW, Puerto Rico Trench 1289
Temperature effects: Cyprinus carpio 284
Temperature effects: Hypophthalmichthys molitrix 284
Temperature effects: Trachurus mediterraneus 282
Thermoregulation: Phoca vitulina 1592
Metabolites,
Laurencia pacifica: INE, USA, California, La Jolla 8126
Mugil cephalus 10552
Pisces 13060
Salmo gairdneri 11996
Metals,
5860, 11326, 11327, 11333, 11334, 13428

- ANW, USA, North Carolina, Beaufort 9795
 ASE, Greece, Athens 4324
 ASW, USA, Georgia 8031
 Australia, Maribyrnong R. 12200
 Australia, Yarra R. 12200
 ISW, Red Sea 80 20
Asteroidea: INW, Japan Sea 9907
Haliotis tuberculata 9870
Mollusca 12213
Pleuronectes platessa 9883
Undaria pinnatifida 13872
 Agricultural runoff: Canada, Ontario 3179
 Bioaccumulation: *Crassostrea gigas*: INE, Canada, British Columbia 606
 Biota 1949
 Detoxication: *Callorhinus ursinus* 1591
 Detoxication: *Halichoerus grypus* 1591
 Detoxication: *Sebastes caurinus* 1591
 Dissolved materials: INE, USA, California 566
 Harbours: INE, USA, California 565
 Harbours: *Mytilus edulis*: INE, USA, California 602
 Marine pollution 1938
 Population growth: *Algae* 1923
 Sediment analysis 1949
 Sediment analysis: ANE, British Isles, Lundy Is. 586
 Suspended matter: INE, USA, California 566
 Water analysis (chemical) 1949
- Metamorphosis,**
Ambystoma maculatum 10676
Amphibia: Czechoslovakia, Hron R. 10669
Bowerbankia gracilis 13178
Cassiopea xamachana 13178
Cothurnia variabilis 2588
Crinoniscus equitans 6162
Dehaanius limbatus: ISW, India 10492
Errantia: INE, USA, California 4853
Hamigera hamigera 8145
Hexagenia limbata 2739
Macrobrachium hendersodayanum: India, Khanapur, Malaprabha R. 10493
Macrobrachium novaehollandiae: ISW, Australia, Brisbane R. 11676
Mytilus viridis 8217
Obelia loveni 3911
Octolasmis mulleri 9294
Pachygrapsus marmoratus 6157
Phyllaplysia taylori 4925
Platthemis lydia 8318
Pleurodeles waltlii 8442
Pyridae: PSE, Australia, New South Wales, Sydney 9484
Rana catesbeiana 5123, 5124, 10674, 13095
Rana pipiens 9491
Rana temporaria 11843
Salmo gairdneri 10653
Salmonidae 11732
Xenopus laevis 7336
 Biochemistry: *Rana catesbeiana* 313
 Serological studies: *Rana catesbeiana* 1593
- Meteorological data,**
 12594
- America, Great Lakes 12689
 AN 9055
 ASE, France, Banyuls-sur-mer 4698
 ASE, Guinea Gulf 7029
 ASE, Mauritania 1141
 INE, Canada, Vancouver I. 12670
 INE, USA, California, Torrey Pines Beach 12693
 ISW, Europa I. 5893
 ISW, Persian Gulf 5351
 ISW, Tromelin I. 5893
 Italy 94
- Meteorology,**
 3682, 7027, 12690
 Africa, Albert L. 4719, 4721
 Africa, Victoria L. 4719, 4721
 AN 9055
 ASE, Mauritania 12581
 I, Pacific 8027
 INE, Pacific 11400
 ISEW, Java 7053
 ISW, Red Sea 5847
 PS 12687
 Uganda, Kyoga L. 4721
 World ocean 11395
 World Ocean 11399
Culex pipiens 8618
 Echosounding: I, Pacific 1218
 Water temperature 1188
- Methodology,**
 3214, 3216, 3664, 3736, 3823, 4235, 4623, 4627, 4628, 4629, 4642, 4644, 5134, 5443, 5788, 5841, 5846, 5939, 5941, 6626, 6645, 6916, 6968, 7066, 7961, 7966, 7967, 7968, 8024, 8073, 8438, 8692, 8700, 8703, 8706, 8710, 8712, 8981, 8984, 9095, 10141, 10142, 10143, 10145, 10193, 10262, 10934, 10940, 11005, 11025, 11030, 11289, 11312, 11328, 11345, 11356, 11405, 11412, 11858, 11862, 12185, 12429, 12449, 12565, 12567, 12568, 12569, 12570, 12571, 12576, 12577, 12662, 12682, 13423, 13424
 ANE, Bristol Channel 4289
 ANE, British Isles 6974
 ANW 12183
 ANW, Canada, Nova Scotia 7964
 ANW, USA, Maryland, Chesapeake Bay 4280
 ANW, USA, South Carolina 9766
 ASW, Florida Current 5816
 Belgium, Meuse R. 13345
 Canada, Ontario, Canadian Shield 9006
 Germany, F.R., Elbe R. 9831
 INW, Japan Sea 4288
 ISEW, Taiwan, Taichung Harbour 10192
 Ivory Coast, Abidjan, ORSTOM Labs. 10916
 Tasmania, Inland waters 10162
 USA, Nebraska, Inland waters 13491
Algae: USA, Miching, St. Joseph R. 6634
Artica islandica: ANW, USA 12506
Bacteria 2446, 8696, 9837, 13419
Bacteria: INW, Japan, Tokyo Bay 6633
Bacteriophages 13418
Carassius auratus 10784
Characeae 10343
Chironomidae 11437

- Coleoptera* 5944
Copepoda 7526
Crassostrea virginica 5256
Crinoidea 9089
Cristigera 9906
Culicoides 9322
Daphnia magna 8745
Diatomaceae 3826
Diptera 11145
Echinaster modestus 8184
Gadus morhua 12476
Gadus morhua: British Isles, Aberdeen 12477
Gastropoda 8069
Ictalurus punctatus 11808
Insecta 11438
Invertebrata 4466
Isognomon 4940
Misgurnus fossilis 9498
Mollusca 4733, 5385
Mytilus viridis 8217
Ochromonas danica 6005
Pelecypoda: ANW, USA, Philadelphia 12172
Pisces 4732, 10605
Polycelis tenuis 12816
Protozoa 6398
Sacoglossa 5943, 10424
Salmo gairdneri 8377, 8742
Salvelinus fontinalis 8383
Sardina pilchardus 11211
Skeletonema costatum 12073
Spirulina platensis 9149
Tetrahymena pyriformis 11269
Thunnus thynnus: ASE, Mediterranean 12976
Tigriopus californicus 12074
Turbellaria 7407
Uronema 5949
Vibrio parahaemolyticus: ANE, Netherlands 8072
Xenopus laevis 5112
Aerial surveys: *Oncorhynchus* 932
Aquaculture: *Salmo salar* 864
Counters: *Pseudomonas aeruginosa* 1256
Dissolved materials 47
Economic analysis 2102
Fishery biology 793, 2448, 2879, 7963
Water analysis (chemical) 2321
Micro-organisms,
ANW, Japan 4255
PN, Arctic 7713
Penaeus setiferus 13915
Microbial contamination,
2477, 2478, 3217, 3218, 3219, 3239, 3312, 3313, 3314,
3316, 3317, 3318, 3321, 3737, 4290, 6729, 7739
ANE, British Isles, Swansea Bay 6736
ANW, USA, Chesapeake Bay 8079
ASE, Italy, Catania 8078
ASW, Caribbean 3231
Italy, Forli, Inland waters 1952
Aeromonas 9103
Bacteria: ANW, Chesapeake Bay 12194
Bacteria: INE, USA, California, Santa Monica Bay 7675
Buccinum undatum: ANW, Canada, Quebec 8880
Clostridium botulinum type E: USSR, Caspian
Sea 6894
Clostridium perfringens 13920
Crangon vulgaris 10069
Crassostrea virginica 3315
Enterobacter cloacae 13907
Gadus morhua 8884
Mollusca: ANW, Canada 8886
Mya arenaria: ANW, Canada, Quebec 8880
Mytilus edulis: ANW, Canada, Quebec 8880
Ostreidae 11265
Ostreidae: ASW, USA, Louisiana 7884
Pelecypoda 13385
Penaeidae: ISW, India, Nagapattiran 13464
Pisces 4159, 5708, 13912
Pisces: ANE, Baltic 3553
Pisces: ASE, Black Sea 3553
Pisces: INW, Japan Sea 3553
Pisces: PNW, White Sea 3553
Pisces: Southeast Asia 11197
Pisces: USSR, Caspian Sea 6894
Pseudomonas aeruginosa *Mytilidae* 1278
Pseudomonas aeruginosa *Ostreidae* 1278
Rana pipiens 5677
Salmonella 8889
Salmonella: Germany, Fed.Rep., Braunschweig 6623
Salmonella typhimurium 4159
Salmonellae: USA, Georgia 3176
Scomber japonicus 13906
Staphylococcus aureus 6890
Teleostei: ASE, Italy, Bari 4309
Vibrio parahaemolyticus 10071
Bacterial diseases: *Callinectes sapidus* 410
Bacterial diseases: *Vibrio parahaemolyticus* 410
Chemical pollutants: USA, Tennessee 1958
Fishery products: *Vibrio parahaemolyticus* 2204
Food technology 410
Marine pollution 501
Marine pollution: ASE, Mauritania, Cansado Bay 1940
Quality control: *Ostreidae* 1056
Shellfish: *Vibrio parahaemolyticus* 3561
Microbiological analysis,
Europe, Geneva L. 2462
Bacteria 2449
Escherichia coli 8716
Sebastes marinus 5693
Methodology: *Beggiatoales* 1257
Microbiological contamination,
Europe, EEC 4571
Microbiological culture,
4745, 7638
Ictalurus punctatus 3831
Penaeus 3831
Microbiology,
4578, 4737, 7067, 8077
Austria, Danube R. 2463
Germany, Fed.Rep., Weser R. 5514
Chytridiales 3838, 3839, 3840
Pisces 10073
Food technology: *Crassostrea virginica* 2215

Food technology: *Mycobacteria* 2212
 Food technology: *Ostreidae* 2212
 Food technology: *Salmonella* 2215
 Marine environment 1275
 Water analysis (biological): *Sporocytophaga cauliformis* 1276, 1277
 Water pollution: Argentina, Buenos Aires, Mar del Plata 1962

Microorganisms,
 2466, 5861, 5924, 7590, 8080, 8725, 9101, 9102, 9904,
 10074, 10110, 11034, 11039, 11042, 11454, 11957, 12377
 ANE, Germany, F.R., Schlei Fjord 12067
 ASE 3212
 ASE, Italy, Catania 8078
 Denmark, Lakes 4668
 ISEW, Hong Kong, Deep Bay 12582
 ISEW, Hong Kong, Tolo Harbour 13432
 ISW, Aqaba Gulf 11369
 Poland 7983
 Poland, Kortowskie L. 2949
 PSE, Southern Ocean 6588
 USA, Minnesota 5330
 USA, North Carolina, Neuse R. 13441
 USSR, Baikal L. 5959
 USSR, Mari Lakes 2468
Algae 9114, 9796
Amphipoda: INE, Aleutian Trench 3832
Argentinoidei 9781
Bacteria 10279
Bacteria: America, Erie L. 8998
Bacteria: ASE, Yugoslavia 12252
Biomphalaria glabrata 12870
Bowerbankia gracilis 13178
Cassiopea xamachana 13178
Corynebacterium autotrophicum 5960
Echinodermata 7599
Enterobacteriaceae: ASE, Ivory Coast, Ebrie Lagoon 7662
Ephydatia fluviatilis 4153
Pisces 10073, 10073
Pleuronectes platessa 9999
Sarotherodon mossambicus 6494
Sicyonia brevirostris: A, Atlantic 5407
Sicyonia brevirostris: ASW, USA, Florida 10270
Spartina alterniflora 11352
Sphaerotilus: Germany, Fed.Rep., Baden-Wuerttemberg, Mettma R. 579
Tetrahymena pyriformis 11269
 Algal blooms: *Bacteria* 122
 Biodegradation: ANW, USA, Maryland, Chesapeake Bay 574
 Biological control: *Mollusca* 786
 Biomass: PSE, Southern Ocean 1281
 Cilia: *Vibrio alginolyticus* 1282
 Copper 1288
 Environmental effects 115, 4357, 10930, 2448
 Metabolism: *Bacteria* 123
 Noxious organisms: *Vibrio parahaemolyticus*: PSW, South Africa 2217
 Oil pollution 628
 Oil spills: ANW, USA, Maryland, Chesapeake Bay 574

Plastics 1288
 Poisons (biological): *Leptodactylus pentadactylus* 771
 Poisons (biological): *Salamandra maculosa* 771
 Pollution control: USA, South Carolina 706
 Predation: *Bacteria* 1895
 Predation: *Protozoa* 1895
 Sewage: INE, USA, California 660
 Survival 115
 Water analysis (biological): *Saprolegnia* 556
 Water quality: ISEW, Hong Kong, Tolo Harbour 1935

Migrations,

6435
 ASW, Barbados 7035
 ASW, Carriacou I. 7035
 Brazil, Amazon R., Varzea L. 12106
 Canada, Inland waters 12094
Amnicola limosa 7390
Amphibia 6419
Anatidae 9960
Anguilla: ANE 13343
Anguilla: Europe, Constance L. 13776
Anguilla anguilla: ANE 13157
Anguilla anguilla: ANE, Baltic 13158, 13159
Anguilla anguilla: ASE, Biscay Bay 13157
Balaenoptera 9504
Balaenoptera acutorostrata: ASW, Brazil 9455
 Castor: USA, Arizona 13078
Cephalopoda: ANW, USA 6849
Cetacea: IN 7384
Cetacea: INW, Japan, Inland Sea 5099
Chaoborus 5210
Chelonia: ISE, Hawaii 9558
Chelonia mydas 5200
Clupea harengus: ANE, British Isles, Scotland 5290
Copepoda: PSE, Southern Ocean 10911
Copepoda: PSW 10911
Crangon crangon 9554
Crangon crangon: ANE, Wadden Sea 8522
Cyclopterus lumpus: ANW, Canada, Newfoundland 8849, 10861
Cypraeidae: Egypt, Arab Rep., Suez Canal 7377
Donax fosser: ANW, USA, Virginia, Wallops I. 11890
Eschrichtius robustus: INE, USA, California 1597
Eschrichtius robustus: INW, Japan 9562
Ethmalosa fimbriata: ASE, Gambia 11724
Gadus morhua: ANW, Canada, Newfoundland 10861
Gadus morhua: PNW, Barents Sea 11303
Gammarus 2934
Gastropoda: Egypt, Arab Rep., Suez Canal 7392
Lernaeocera branchialis: ANW, Canada, Newfoundland 10861
Merlangius merlangus: ANE, North Sea 13854
Microcystis aeruginosa: British Isles, England, Rostherne Mere 5171
Micropterus salmoides 10739
Morone saxatilis: ANW, USA, Maryland, Chesapeake Bay 10740
Mysticeti: Southern hemisphere oceans 13211
Mytilus edulis: ANW 10901
Oncorhynchus 8343
Oncorhynchus kisutch: America, Michigan L., Oak

Creek 10731
Oncorhynchus nerka: INE, Canada 13164
Oncorhynchus tshawytscha: Canada, British Columbia, Nanaimo R. 6443
Oxytrema suturalis: USA, Georgia, Yellow R. 8488
Panulirus cygnus: ISW, Australia 13169
Pelecypoda: Egypt, Arab Rep., Suez Canal 7392
Penaeus aztecus: ASW, USA, Mississippi, Biloxi Bay 7386
Penaeus duorarum: ASE, Ivory Coast 7385
Penaeus plebejus: ISEW, Australia, Queensland 5166
Phocoena phocoena: ANE 13156
Phocoena phocoena: ANE, Lillebelt Strait 13156
Phocoena phocoena: ANW, Fundy Bay 5169
Phocoidea: ANE, North Sea 7389
Pisces 9556
Pisces: USA, Virginia, York River 8520
Pleuronectes platessa 9551
Salmo: British Isles, Inland waters 9560
Salmo gairdneri 10653
Salmo gairdneri: America, Michigan L., Oak Creek 10733
Salmo gairdneri: ANE, British Isles, Scotland 5176
Salmo salar: ANW, Canada, Newfoundland 11902
Salmo salar: Canada, New Brunswick, Big Salmon R. 10734
Salmo trutta: USA, Michigan, Pine R. 10738
Salmonidae 9960
Salmonidae: ANW, Greenland 5175
Salmonidae: USA, Idaho, Selway R. 13856
Scomber japonicus: ISEW, East China Sea 10728
Scomber scombrus: ANE, Ireland 11899
Scomber scombrus: ANW, Canada, Newfoundland 1671
Stenella attenuata: INW, Japan 9546
Stenella coerulescens: INW, Japan 9546
Thunnus thynnus: A, Atlantic 13160
Thunnus thynnus: ASE, Biscay Bay 13318
Bibliographies: ASW, Colombia, Magdalena R. 4099
Horizontal distribution: *Thunnus thynnus* 345
Salinity effects: *Fundulus heteroclitus*: ANW, USA, Delaware 1668
Seasonal variations: *Eopsetta grigorjewi*: INW, Japan Sea 1667
Tagging: *Penaeus plebejus*: ISEW, Australia, Queensland 344
Tagging: *Sterna*: ASE, Ivory Coast 349
Tidal currents: *Gammarus duebeni* 2936
Mineral composition,
8080, 9081
Australia, New South Wales 2437
Phragmites communis 3129
Phragmites communis: Poland, Mikolajki 2539
Prosobranchia 4938
Mineral industry,
7058, 2443, 3166
Mineral resources,
5935, 7058, 7904, 11402, 11428, 11429, 12503, 13947
Aldabra 5922
ANE, France 4703
ASE, Africa 7059
ASW, Caribbean 3817

France 12546
Germany, Fed.Rep., Bavaria, Ammer R. 5532
ISW 8989
World ocean 5742
World Ocean 10079
Research vessels 1124
Sea bed conventions 1250
Sedimentation: PSE 103

Mineralogy,

8080, 9081, 9102, 11402
AN, Mid-Atlantic Ridge 12698
ISW, Persian Gulf 4701
USA, Ohio, Inland waters 8021
World temperate regions 2461
Cricospaera carterae 10420

Mitosis,

Amphidinium carterae 7156
Artemia salina 8270, 9296
Chlamydomonas cribrum 9166
Chlamydomonas parviretrata 9166
Chlorophyceae 12044
Cryptophyceae 11504
Diatoma hiemale 5996
Dinoflagellata 7157
Dugesia mediterranea 7163, 7164
Eudorina elegans 10323
Gonium pectorale 5994
Melosira varians 5988
Phycomycetes 11447
Pleurastrum 1318
Protozoa 12045
Pylaiella littoralis 4783
Urechis caupo 6052
Xenopus laevis 7335
Ultrastructure: *Entophlyctis* 1287

Models,

2389, 3758, 4575, 8681, 8698, 9811, 10221, 11863
ASW, USA, Alabama, Mobile Bay 9922
ASW, USA, Texas, Galveston Bay 9024
Denmark, inland waters 11370
IN, Aleutian Is., Samalga Pass 11381
INE, Puget Sound 6672
World ocean 8008
Balaenoptera borealis: PS 13831
Caenorhabditis briggsae 9235
Calanus: ANE, North Sea 9810
Calanus helgolandicus 2955
Calliactis parasitica 10416
Dinoflagellata 10370
Hydra attenuata 10414
Panulirus 10498
Sprattus sprattus: ANE, Norway 12402
Talorchestia quoyana 10730
Eyes: *Cyprinus carpio* 1553
Trawl nets: USSR, Russia, Kaliningrad 2078
Water pollution 1946

Molybdenum,

Nitrates: *Algae* 1333
Nitrates: *Navicula pelliculosa* 1333

Monitoring,

PN, Arctic 11314
Mollusca 4940

Monsoons,

India, Mandovi R. 10183
ISEW, Taiwan, Taichung Harbour 10192
ISW, India 10208
ISW, Sri Lanka 8035

Moon phases,

Anguilla: ANE, Sweden 13778
Porites lobata 6471

Morphology,

Acanthopterygii: ISW, Red Sea 10544
Acanthosentis acanthuri: ASW, Tobago 1356
Acetabularia 10304
Achirus linneatus: ASW, Cuba 7266
Acinetospora 4778
Ameira divagans: ANE, Kiel Bight 4952
Ammonoidea: Spain 6099
Anguilla anguilla 12944
Anguilliformes: ASW 6227
Anoplodactylus robustus: ASE, Adriatic, Banjole I. 5202
Anthozoa 10379
Apjohnia 9132
Balistidae: ASW, Cuba 12965
Bassobythites brunswigi: ISEW, Pescadores Is. 11736
Bathyclupeidae 6236
Bathypontia elongata: ASW 10472
Bathypontia kanaevae: ASW 10472
Beckerella scalaramosa: ISEW, Philippines 9138
Bellator grobovi: PSE 6155
Bothus: ASW, Cuba 2771
Bryozoa 12517
Cabillus aichialinae: ISW, Egypt, Arab Rep., Ras Muhammad 5034
Caiman crocodilus 11853
Callogobius trifasciatus: ISW, Andanam Is., Mayabunder 9370
Chaetodon mitratus: ISW, Mascarene Is. 6224
Charybdis cruciata 12881
Cheilopogon: ASW, Caribbean 6259
Chionoecetes 12882
Chionoecetes japonicus 12882
Citharichthys: ASW, Cuba 7265
Clionidae: ASE, Tunisia 7135
Cloeon: Europe 9329
Clupea harengus 7263
Corallimorpharia: PSW, Antarctica 7132
Ctenophora: AN 4803
Dactylopterus volitans: ASW, Cuba 2771
Dictyocha speculum 7141
Dictyota dichotoma 11501
Didemnum candidum: ISW, Aqaba Gulf 5107
Dugong dugong 13063
Echinorhynchus 6044
Elasipoda: World oceans 8148
Ermodesmis 9132
Evermannella balbo: ASE, Italy, Messina 2772
Gadus morhua: PNW, White Sea 7502
Glypto thorax 12955
Gymnodinium: INW, Japan, Omura Bay 7519
Halymenia: ANE, France 4777
Halymenia: ASE, France 4777
Heleniella serratosioi 11711
Hippoglossoides platessoides: ANW, Canada, Newfoundland 9672
Hollardia hollardi: ASW, Cuba 9371
Holothurioidea: IS, Pacific 11155
Hozukius guyotensis: ISE, Hawaiian Ridge 6235
Krishnapsyllus furcavaricatus: ISW, Tanzania 3958
Kunzia bispinosa: ISW, Tanzania 3958
Labidocera: America coasts 9518
Laguvia ribeiroi kapuri: India, Uttar Pradesh, Saharanpur 12955
Laminaria faeroensis: ANE, Shettland 9120
Lopadorhynchus indica: ISW 10377
Lycaea pulex 11675
Lycodes squamiventer 2783
Microschembryon meyburi: Brazil, Xeriuini R. 50365
Nematogenys: Chile 5033
Odocidae: PSE, New Zealand 10565
Omobranchus 2788
Parthenope expansus 10486
Pelmatozoa 12811
Penaeidae: ISEW, Hong Kong 12896
Petroderma maculiforme: ANE, Finland 9572
Phaenomonas 11761
Phtheichthys lineatus: ASW, Cuba 9371
Pisces 10563
Pisodonophis cruentifer: ANW 10541
Poeciliidae: Mexico 8350
Polyacanthonotus rissoanus: ASE, Spain 5041
Polymesoda (Geloia) erosa 10432
Prosobranchia: ASE, France 8197
Prosopium cylindraceum: USSR, Chukotka 6230
Prosopium cylindraceum: USSR, Siberia 6230
Protozoa: PSE, New Zealand 2570
Puntius filamentosus 12957
Pygidium: Chile 5032
Rana tweediei: Malaya, Selangor 11839
Remora: ASW, Cuba 9371
Saprolegnia 4162, 5955
Spicara smaris: ASE, Black Sea 9514
Spicara smaris: ASE, Mediterranean 9514
Spondylisoma cantharus 11753
Sprattus sprattus 7263
Symphurus plagusia: ASW, Cuba 7266
Thunnus thynnus: AS 13764
Tintinnida 8164
Trinectes inscriptus: ASW, Cuba 7266
Uca: World Oceans 7197
Anatomy: Lethocerus indicum 10384
Geographical distribution: Carinaria lamarcki: ANE 2906
Shells: Patella: ASE, Mediterranean 188
Taxonomy: Chironomus pilicornis 2733
Taxonomy: Clastidium setigerum 1311
Taxonomy: Gobiidae: ASW, Cuba 269
Taxonomy: Meadia abyssale: ISW 1499
Taxonomy: Pisces: ASW, Bahama Is. 2752

Morphology (organisms),

Acanthosentis dattai: India, Delhi, Inland waters 13286

- Acanthosquilla derijardi* 2897
Acartia centrura: ISW, India, Cochin Backwaters 6142
Acartiura 9285
Acetabularia crenulata 10318
Acetabularia farlowii 10318
Acetabularia mediterranea: ASE, Naples Gulf 12749
Acetabularieae 10317
Achlya spiraculis: Iceland 4747
Achnanthes hauckiana 1308
Acoela: ANE, North Sea, Sylt Isl. 3875
Actinastrum hantzschii: India, Jammu 2899
Aipysurus: ISEW, Timor Sea, Ashmore Reef 4038
Alpheus splendidus: ISW, India 10483
Ambystoma 8428
Amoeba proteus 6493
Ampelisca: PS, Antarctic Ocean 9277
Ampeliscidae: ASE, Adriatic 10471
Amphibia: Czechoslovakia, Hron R. 10669
Anabaena curva: USA, Minnesota, Christmas L. 9135
Anabaena fusca: USA, Minnesota, Christmas L. 9137
Anabaena perturbata: USA, Minnesota, Rice Marsh L. 9136
Anacropora 3867
Anax 9331
Anchistus miersi: ISEW 2674
Anguilla anguilla: ASE, Biscay Bay 7275
Anguilla japonica: ISEW, Taiwan 8347
Ankylocythere barbouri: ASW, Mexico 2686
Annelida 8139
Antarctodarwinella: PSW, British Antarctic Territory, Seymour I. 10439
Aotea acus: PSE, New Zealand 10558
Apogon albimaculosus: ISEW, Australia, Queensland 9375
Appendicularia 13077
Argyropelecus: INW 9367
Argyrosomus nibe: ISEW, East China Sea 10050
Articulata: USA, Missouri 9180
Aruma histrio: ISE 10556
Aspidosiphon schnehageni: ISE, Guatemala 7153
Asplanchna sieboldi 12794
Astartidae: ANE, North Sea 4885
Asterophlyctis sarcoptoides 3839
Bacillariophyceae: Argentina, Chubut, Puelo L. 3845
Bacillariophyceae: Czechoslovakia, Bohemia, Rezabinec Reservation 8099
Bacillariophyta: ANW, Baffin I. 8095
Bacteria 5954
Bacteria: ASE, Mediterranean 11448
Bacteriastrium: ISEW, Hong Kong 7082
Balaenoptera acutorostrata: ASW, Brazil 9455
Balanomorpha: ASW, Curacao 2696
Balanus eburneus 11664
Bangia 10312
Barbus erubescens 6222
Bathyconchoecia lacunosa: ISW, Arabian Sea 3955
Bathyconchoecia septemspinosa 2689
Bathyphysa sibogae: ASW, Sargasso Sea 7138
Benthodesmus elongatus: INE, USA, California, Moss Landing 13141
Berthella tupala 4911
Beryciformes 7241
Biomphalaria havanensis: Grenada 4902
Boeckella 9283
Boophtora erythrocephala 12930
Brachiopoda: Israel 11538
Brachiopoda: PNE, Canada, North West Territory 11537
Brachirus albomaculatus 8335
Brachirus commersoni 8335
Bryozoa 13342
Bryozoa: PS, Antarctic Ocean 6018
Bythinella 4893
Cachonina illdefina: INE, USA, California 12752
Calamoecia 9283
Calanus helgolandicus 2956
Calliactis conchicola: PSE, New Zealand 7148
Calliarthron tuberculosum 5981
Callinectes sapidus: ASW, Mexico Gulf 12877
Callinectes sapidus: ASW, USA, Florida 12877
Callionymus russelli: ISEW, Australia, Queensland 9385
Callistochiton portobelenensis: ASW, Panama, Portobelo 7179
Callogobius okinawae: INW, Japan, Kagoshima Prefecture 9368
Calopteryx: USA, West Virginia 11710
Cambaridae: USA, North Carolina 2692
Caobangiidae 2566
Carcharhinidae: PSW, South Africa 2744
Cardium 3928, 4892
Carex 11475
Carinariidae: AN 4898
Carterina spiculotesta 9182
Caryocrinites 7143
Casearia articulata: Germany, Fed.Rep., Wuerttemberg 4833
Catostomus commersoni 10591
Caulerpa: ISW, Red Sea 4069
Cavolinia inflexa 4887
Centropages caribbeanensis: ASW, Mexico Gulf 12890
Centropyxis discoides 4809
Cephalopoda 8212
Ceramium byssoides: ASW, USA, Florida, Anclote Estuary 2497
Cetorhinus maximus: ASW, Mexico Gulf 8498
Chaetoceros 7081
Chaetoderma araucanae: PSW, Chile, Valparaíso Bay 12850
Chaetodon selene: INW, Japan, Izu Peninsula 8346
Chaetophoraceae 8105
Chara vulgaris 12760
Charophyta 9164
Chelonia 9480
Chelonia mydas: ASW, Surinam 4051
Chirocephalus sibyllae: Italy, Inland waters 12878
Chiromanthes darwinensis: ISW, Sri Lanka 6129
Chiton phaseolinus 8204
Chondracanthidae: PSE, New Zealand 7482
Cichlidae 12974
Cinetochilum margaritaceum 4827
Cirripedia: PSE, New Zealand 9284

- Clarias batrachus* 6239
Clausocalanus 11660
Clio pyramidata 4582
Cnidaria 4806
Cobitis biwae: Japan 12997
Coccorella 11759
Cohnilembus verminus 4825
Colistium nudipinnis 7268
Colpichthys regis: USA, Arizona 11757
Colpoda maupasi 8147
Colpomenia: PSE, Australia 10309
Conidae 3929, 10438
Conus 2612, 3932
Copepoda: ANE 3950
Corallinaceae 4774
Corycaidae: ASE, France, Banyuls-sur-mer 4958
Cosmocerca brasiliensis: Ecuador, Inland waters 6038
Cottus nozawae: Japan, Hokkaido, Inland Waters 9355
Crocodylidae 13088
Croconema: ASE, Yugoslavia 11567
Cubozoa 12795
Cyanophyceae 3848
Cydonium glariosus: ASW, Brazil 9177
Cylindroleberididae: ASE, Mauritania 2688
Cynoscion macdonaldi: ISE, Mexico, Baja California 6219
Cypraea: ISE, Phoenix Is., Canton Is. 2594
Cypraea tigris 2608
Cypraea vitellus: ISEW, Solomon Is., Guadalcanal, Marau Sound 10435
Cyprinidae 5320
Cyprinus carpio: USSR, Inland waters 12370
Daphnia magna 12886
Decapoda 12887
Dehaaniana limbatus: ISW, India 10492
Demospongia: ISW 4071
Demospongia: PSW, Chile 8493
Dendrodoa grossularia 5101
Dermochelys coriacea: ASW, Brazil, Marajo I. 11831
Derocheilocaris remanei 8253
Diatomaceae: Canada, Ontario L. 3849
Diatomaceae: USSR, West Siberia 7928
Diatomae 6954, 7089, 7094
Dicamptodon: USA, Inland waters 10662
Dichotrachelus grignensis 8313
Dictyota dichotoma 11923
Dinoflagellata 10370, 12810
Dinophyceae: INW, Japan, Fukuyama 9533
Diplotriaena darnaudii: Kenya, Baringo L. 9660
Discoglossus pictus pictus 13083
Dorvillea erucaeformis: ANE, Norway 1365
Dugesia japonica: INW, Japan, Southwest Is. 11570
Dyscophus quinquelineatus 4047
Echinocardium cordatum 4823
Echinodermata 11547
Echinoida 12807
Echinoida: ASW, Belize 3091
Enallagma minusculum: USA, North Carolina, White L. 3980
Endeis charybdaea 2919
Engraulis mordax 9358
Enoplometopus antillensis: ASW, Brazil 8260
Enteromorpha 4766
Ephydatia fluviatilis 4153
Ergenstremia mugilis 6029
Erylus formosus: ASW, Brazil 9177
Etioplus suratensis 12996
Eubranchius: INW, Japan, Echizen, Ayukawa 10441
Eucampia balaustium 4775
Eucheilota paradoxica 4854
Euglena 10298
Eunicella cavolinii 9178
Eunicella cavolinii: ASE, Mediterranean 7140
Eupera klappenbachii: Brazil, Rio Grande do Sul, Guaiba R. 9243
Euphausiaceae 12891
Falcidens 4890
Favorinus tsuruganus: INW, Japan Sea 2622
Feltriidae 6179
Foettingeriidae 5265
Foraminifera 2545, 10935, 11556
Fungia scutaria 11561
Gammaridae: USSR Coasts 4943
Gammarus bosniacus: Yugoslavia, Bosna R. 210
Gammarus brachyurus: Turkey, Baykan 210
Gammarus lacustris: Poland 2662
Gastropoda 2626, 11631
Giulianium campbelli 10533
Globicephala macrorhynchus: ISW 13068
Glyptothorax 11771
Gobionellus saggittula 10833
Golfingia abyssorum: ASE, Europe, Iberian peninsula 10380
Gonyaulax 5973
Gorgonacea: ASE, Mediterranean 9174
Gracilaria: INW, Japan 9126
Gracilariopsis: INW, Japan 9126
Gyrodactylus 12796
Gyrodactylus costatae 12797
Haptophyceae: ASE, Yugoslavia 3847
Hemicordulia ogasawarensis 9332
Hemidiscaceae 7092
Heterodontus 8357
Heterophotus ophistoma: ASE, Guinea Gulf 11760
Hexanchidae: PSW, South Africa Rep. 9341
Homarus gammarus 9287
Hydromantes italicus 2846
Hydromedusa: South America 11841
Hydrozoa: INW, Japan, Hokkaido 12799
Hymenena media 5969
Idiastion kyphos: A, Atlantic 6202
Insecta 3048
Lacydonia laureci: ASE, Mediterranean, Matapan Trench 4841
Lamellibrachia 3902
Lamellibrachia barhami 3903
Lampetra 9349
Laridospira appendiculata: Malaya, Gombak R. 5956
Laurencia pacifica: ISE, Mexico, Ensenada 8126
Leptolaimus pocillus: ASE, France, Banyuls-sur-mer 4834
Lernaeocera branchialis 12910

- Lichomolgidae*: ISEW, New Caledonia 3158
Limapontiidae: ANE, British Isles 2616
Limulus 10497
Linkia: ISEW, Guam 11560
Littorina: ANW, British Isles 12149
Lycaea nasuta 11661
Lychniscosa 12806
Lymnaea palustris: USA, New York 5309
Lymnaea stagnalis 4904
Lymnaeidae: Poland 7177
Macrobrachium: Andaman Isl. 2680
Macrobrachium: Nicobar Isl. 2680
Macrobrachium hendersonianum: India, Khanapur, Malaprabha R. 10484
Macrobrachium novaehollandiae: ISW, Australia, Brisbane R. 11676
Majidae: ISW 3090
Malacoctenus triangulatus: ASW 2790
Marasmiellus caespitosus: ANE, Netherlands 7077
Marriotta releighana: PSE, New Zealand 1519
Megactenopetalus kaibabanus 11756
Megatesbennus bimaculatus 2628
Melosira 7090
Melosira mummuloides 5968
Mesodesma arctatum 7182
Metapenaeus stebbingi 6160
Microtendipes rydalis 6180
Mithrodia gigas: ISW, Malagasy Rep. 1344
Mollusca 4879, 4897
Mugil longicauda: ASW, Cuba, Nipe Bay 9373
Mugil saliens 12374
Munida babai: PSW, South Africa Rep, Natal 12893
Munidopsis: INE, Alaska Gulf 10715
Munidopsis: ISE 10715
Musculium securis 4901
Myadora 8213
Myisidacea: ASW, Curacao 2697
Mytella: ASW, Trinidad 6617
Mytilus californianus 11610
Mytilus galloprovincialis 11624
Myxobilatus yukonensis 4818
Naididae: Argentina, Parana R. 6042
Nanaspidae: ISEW, New Caledonia 3159
Nannostomus 2789
Nematocera 2735
Nemertini: World inland waters 8137
Neophya rutherfordi 12929
Neosarmatium malabaricum: ISW, Sri Lanka 6129
Neotanaididae: PS, Antarctic Ocean 6152
Nitophyllum stellato-corticatum 5986
Notophthalmus viridescens 4054
Notopterus notopterus 8328
Notosceles chimmonis 2678
Nucella lapillus: ANE, British Isles, Devon 6095
Nucella lapillus: ANE, France 6096
Nudibranchia 4891
Ochthebius 9325
Ocypodidae 11680
Odontaspidae: PSW, South Africa Rep. 9339
Okkelbergia 8332
Ommastrephes 4917
Oncaeidae: ASE, France, Banyuls-sur-mer 4962
Ophicephalus: India, inland waters 12983
Ophrydium versatile: British Isles, Buckingham 6023
Ophryotrocha diadema: INE, USA, California 11562
Osmerus eperlanus: USSR, inland waters 9381
Osoria: ASE, Guinea Gulf 11760
Osteoglossum bicirrhosum 5047
Ostracoda: ASE, Ivory Coast 2691
Ostracoda: INW, Japan 3953
Ostracoda: PS, Antarctica 3962
Ostrea hebridica 8207
Otobothrium dipsacum: ISE, Mexico 155
Ovulidae: INW, Japan 10442
Oxyrrhis marina 2510
Oxytricha fallax 6040
Padina 12744
Palaemon serratus 6134
Palaemonetes lindsayi: ASW, Mexico 2686
Paliolla cooki: PSE, Australia 4882
Palmaria palmata: INE 11493
Pandaka trimaculata: ISEW, Philippines, Mindanao I. 9364
Pannellina 11554
Pappomonas virgulosa: ANW, Greenland 6027
Paracallioppe larai: Tasmania, Dip River 4954
Parapercis gushikeni: ISEW, Ryu-kyu Is. 7272
Paratigriopus hoshidei 12897
Paraxenomystax: ANE 7255
Pellonulinae: Thailand, Mekong R. 9366
Perciformes 7269
Percoidei 7269
Peritrichida 4829
Perumytilus purpuratus: ISE, Chile 6136
Perumytilus purpuratus: PSW, Chile 6136
Petromyzon marinus 9362
Phaeophyta: ASW, Venezuela 3843
Phellia aucklandica: PSE, New Zealand 7149
Philasterina 2560
Philometroides huronensis 8589
Phoca vitulina: IN 13079
Phocoena dioptrica: ASW 13067
Phytobius cavifrons: USA, California 11929
Pinnularia ambigua 10302
Pisces 6197, 11200, 11776
Piscicolidae: USA 2555
Platysympus japonicus 7372
Platysympus tricarinatus 7372
Podochrysis roscoffensis 8102
Poecilia reticulata 9356
Pogonophora 3904, 3905, 10369
Polycelis: Romania 8159
Polycelis coronata: USA, Washington 10769
Polydora guillei: ASE, Mediterranean 4840
Polypodochrysis teissieri 8102
Pomacentrus nagasakiensis: ISEW, Bonin I. 8348
Pomatomus saltatrix: ANW, USA, New Jersey 10579
Pomatoschistus norvegicus: ASE 7259
Pontella danae ceylonica: ISW, Pakistan 12898
Pontella investigatoris: ISW, Pakistan 12898
Porifera 6041
Porifera: Surinam 3890

- Porphyra* 10312
Porphyra: INE, Canada, British Columbia 11492
Posidonia oceanica: ASW, USA, Texas 3844
Potamopyrgus jenkinsi 4896
Potamothenix heuscheri 11568
Potamothenix thermalis 11568
Potamotrygon garouaensis: Nigeria 6203
Prasiola delicata: INW, Japan, Akkeshi 2503
Pristipomoides multidens 9365
Procambarus roberti: ASW, Mexico 2686
Protopolystoma xenopodis 3019
Psammecinus miliaris 8161
Pseudanabaena galeata 2509
Pseudocycnus armatus 10479
Pseudodendromonas vlkii 2563
Pseudohemius granulatus 4047
Pseudomonacanthus garetti: ISE, Hawaii 264
Pseudophryne corroboree: Australia, New South Wales 9467
Pseudosciaena manchurica: INW, Yellow Sea 1500
Pseudosciaena manchurica: ISEW, East China Sea 1500
Pseudovermilia: ASW, Caribbean Is. 2571
Quadricornoides: ISEW, Great Barrier Reef 10366
Raja clavata: ASE, Adriatic 10878
Rana clamitans: Canada, Ontario, St. Nova L. 8423
Rana magnaocularis: Mexico 10665
Rana pipiens: USA, Nebraska 10899
Raninoides fossor 2678
Raphoneis 7093
Rhaphidascaroides blochii: ISW, Pakistan 12804
Rhincodon typus: ISW, Mannar Gulf 4070
Rhizosolenia 7080
Rhizosoleniaceae 7080
Rhodophysemopsis laminariae: INW, Japan, Hokkaido, Hanasaki 12751
Rhodophyta 10897
Rhodymenia palmata: INE 11493
Rhynchobothrium: ANW, USA 6031
Rhynchocinetes rigens 7373
Rivulinae: ASE 7240
Rondeletidae 4001
Sabellastarte magnifica 6066
Sabelliphilidae: ISEW, New Caledonia 3159
Sagitta 3827
Sagitta planctonis 6024
Salmo gairdneri 8365
Salvelinus: USSR, Kamchatka 9383
Sandalops 2632
Sandersiella bathyalis: ASW, Brazil 8500
Scenedesmus 11474
Scenedesmus quadricauda: Netherlands, Tjeukemeer 12758
Scombridae: ASE, Mediterranean 6199
Scourfieldia 4808
Scrophulariaceae 4763
Semotilus margarita: USA, Maryland, Hamilton Run 10561
Senilia 4903
Serolis: ASW, Brazil 4063
Serolis foresti: ASW, Brazil 3949
Siboglinum fiordicum 3900
Siderocapsa 4750
Simuliidae: USSR 9320
Simulium oviceps: Tahiti 10531
Siphonaria variabilis 3838
Siphonophora: ISW, India 3866
Skeletonema subsalsum 10310
Solenodinium fallax 3021
Somatochlora provocans 2730
Sphaeroma serratum 6134
Sphyraenidae: PSW, South Africa 2744
Spondyliosa cantharus 12950
Stauracantha orthostaura 2561
Staurostrum: Romania 2506
Stauronereis caecus: ANE, North Sea 8492
Stenella coeruleoalba 9470
Stentor coerulesus 7133
Stichopus badiotus: ASE, Guinea Gulf 2605
Stylonychia pustulata 6040
Suberites massa: ASE, France, Thau 4836
Succinea wilsoni 4905
Sycon vigilans 4837
Symplectoteuthis 4917
Symplectoteuthis oualaniensis 6085
Synalpheus 2685
Syncrypta glomifera 5970
Syndinium globiforme 3021
Tachysurus caelatus 4015
Tanytarsus aculeatus: Austria, Piburger See 10525
Tarebia granifera: Cuba 2909
Teleostei 2781, 10581
Tetracladium setigerum 10274
Tetrahymena pyriformis 7456, 8162
Tetraodontidae: ISEW, Taiwan 11751
Thalassia testudinum: ASW, USA, Texas 3844
Thalassiosira 7091
Thielavia pseudomaritima 4748
Thyca callista 2925
Tilapia mossambica 2769
Tintinnida: ASW, Mexico Gulf 8516
Tintinnida: USA, Massachusetts, Inland waters 12790
Trachurus symmetricus: ISE, Peru 11768
Treubaria 11488
Trichiurus lepturus: ISEW, East China Sea 1500
Trichosphaerium 6021
Trimarginites 6098
Trinucleidae 4955
Tripterygion: ASE, Mediterranean 9384
Turbellaria 10389
Turbonilla nivea: ANW, USA, Connecticut 7178
Turbonilla stricta: ANW, USA, Connecticut 7178
Turridae 2636
Urodela 4040
Verticordiidae 4888
Volvatella viridis 10440
Xenophthalmichthys danae: ASE, Guinea Gulf 11760
Xenopus 6356
Xiphias gladius 6210
Zaniolepis latipinnis: INE, USA, California, Monterey Bay 12952
Zaus robustus 12897
Zoogonoides viviparus 11539, 11539

- Anatomy: *Batoidei* 2782
 Biochemistry: *Serratia Sardinella longiceps* 3007
 Biological collections: *Cymothoidae* 216
 : 2457
 Cytology: *Cosmarium anthophorum* 2508
 Environmental effects: *Rafinesquina alternata* 1404
 Evolution: *Chrosomus neogaeus* 3053
 Fossils: *Aesiocrinus* 1353
 Fossils: *Parachaetetes*: USA, Kansas 1307
 Geographical distribution: *Turbellaria*: ANE, Baltic 152
 Growth: *Portunus validus* 1438
 Keys: *Mollusca* 2602
 Larvae: *Anguilla japonica*: ISEW, Okinawa 262
 Larvae: *Graphoderus* 1470
 Metabolism: *Hyphomicrobium*: ANW, USA, Maryland 1284
 Moulting: *Parathemisto gaudichaudi* 220
 Nervous systems: *Urodela* 301
 New species: *Desmodoridae*: ANE, France 157
 Respiratory organs: *Colisa fasciata* 270
 Respiratory organs: *Notopterus notopterus* 270
 Taxonomy: *Bulinus sericinus* 182
 Taxonomy: *Cyrtoneias* 183
 Taxonomy: *Ophichthys dromicus* 1498
 Taxonomy: *Talitridae*: INW, Japan 1448
 Taxonomy: *Phyllotriton spelaesus*: USA 1582
Mortality,
 12036
Ammicola limosa 7390
Callinectes sapidus: ASW, Mexico Gulf 8751
Euplates crassus 10398
Haliotis: ISE, Mexico, Baja California, Benitos Is. 6481
Oncorhynchus 11184
Pelecypoda 9667
Penaeus aztecus 8483
Penaeus duorarum: ASE, Ivory Coast 7385
Salmo gairdneri 11184
Spermatophyta: ASW, USA, Florida 12257
Stenella attenuata: ISE 13840
Stenella longirostris: ISE 13840
Thunnus thynnus: A, Atlantic 3031
Mortality causes,
 ISEW, Guam 12103
Acipenser: USSR, Inland waters 12349
Algae: Poland, Mikolajskie L. 6609
Alosa sapidissima 10638
Anemonia sulcata 5539
Asellus aquaticus 8272
Bacteria 4741
Brevoortia tyrannus: ANW, USA, Massachusetts 4156,
 7459
Cancer magister 12333
Coregonus: USSR, Inland waters 12349
Crassostrea commercialis: PSE, Australia, New South
 Wales 7462
Crassostrea virginica: ANW, USA, Virginia 8216
Cyanobacteria 3841
Cyprinus carpio 9393
Dascyllus aruanus 3351
Fungi 8438
Gadus morhua 5539
Gadus morhua: ANE, Baltic 5168
Lates niloticus: Egypt, Arab Rep., Nasser L. 13810
Luciopeca lucioperca: Poland, Goplo L. 4108
Mollusca 5497
Odobenus divergens: INE, St. Lawrence I. 9532
Olor columbianus: USA, Idaho, Mission Lake 11074
Oncorhynchus kisutch 12005
Oncorhynchus tshawytscha: INE, USA, Washington,
 Puget Sound 11992
Orchestia gammarellus 11685
Orcinus orca: PS, Antarctic Ocean 9457
Osteichthyes 4164
Ostrea chilensis: PSW, Chile, Chiloe, Apiao I. 5610
Ostreidae 13276
Paramecium primaurelia 9944
Pelecypoda: ISEW, Taiwan 11191
Pisces 5708
Pisces: ASW, Brazil 1224
Pisces: Colombia 13272
Pisces: Hungary, Danube R. 8765
Pisces: Hungary, Tisza R. 8765
Pisces: ISW, Israel, Eilat 7720
Pisces: USA, Minnesota, Shetok L. 13515
Pleuronectes platessa 5539
Posidonia oceanica: ASE, France, Mediterranean 7562
Rana temporaria 8438
Salmo: Norway, Tovdal R. 12240
Salmo gairdneri 12005, 12975
Salmo gairdneri: Canada 11179
Salmo salar 11185, 12975
Salmo trutta 12975
Salmonidae: Europe 13626
Salvelinus fontinalis: USA, North Carolina 11139
Tilapia mossambica 8394
Xenopus laevis 10691
Zalophus californianus: INE, USA, California 9890
 Cannibalism: *Notonecta hoffmanni* 1731
Mortality rate,
Algae: INE, USA, California 7751
Cetacea: ANE, British Isles 9537
Culex tarsalis 8309
Engraulis mordax: INE, USA, California 10059
Lates niloticus: Egypt, Arab Rep., Nasser L. 13810
Salmo salar 10853
Moulting,
Abedus herberti 4134
Armadillidium nasutum 11705
Astacus leptodactylus 7220
Balanus balanoides 9257
Balanus balanus 9257
Callinassa californiensis 11702
Cambaridae 12917
Carcinus maenas 4129, 10510
Cardisoma guanhumi 10767
Crangon vulgaris 11703
Crinoniscus equitans 6162
Daphnia magna 12886
Decapoda 2976
Hemioniscus balani 8280
Homarus americanus 4983, 10466
Jacquintia edwardsii: PSE 13808

Moul

Jasus lalandii 8306
Nephrops norvegicus: ASE, Biscay Bay 2972
Orconectes limosus 10506, 10508, 10518, 11705
Pachygrapsus marmoratus 6157, 6169
Palaeomonetes pugio 8289
Penaeus duorarum 9592
Penaeus japonicus 10504
Sphaeroma serratum 4982, 9314
Stomatopoda 12901
Uca 12234
 Temperature effects: *Parathemisto gaudichaudi* 220

Mouth parts,

Architectonidae: ASE, Mediterranean 7183
Cephalopoda 8212
Cetacea 2851
Chaetodermatidae 4890
Conus miles 2611
Diplomystes 5030
Flabelligeridae 2551
Gastropoda 4889
Heterodontus 8357
Homarus gammarus 10511, 10512, 10513
Mimocalanus distinctocephalus 4968
Nephtys hombergii 10879
Orchomene: AN 8269
Osteoglossum ferreirai 5047
Paramecium tetraurelia 9205
Pisces 3994
Sacoglossa 5943
Salmo fario 2766
Salmo gairdneri 265
Teleostei 12945
Tilapia mossambica 5028
Trimusculus reticulatus 8582
Urosalpinx cinerea follyensis 4907
 Feeding behaviour: *Trichiurus lepturus*: INW, Japan 1727
 Morphology (organisms): *Physa gyrina* 185
Cephalopoda 10433
Dugong dugong 8555
Homarus americanus 9282
Ovulidae: INW, Japan 10442
Sacoglossa 10424

Mucus,

Bacillariophyceae 11462
Cerebratulus lacteus 11144
Cyprinidae 10656
Eptatretus stoutii 11811
Lamellidens consobrinus 11637
Mytilus edulis 7455
Pisces: India, Inland waters 4020
Salmo 6200
Salmo trutta 11806
 Chemical structure: *Protozoa* 1377

Mud,

4707, 8013, 9114, 12272
 ANE, North Sea 10232
 ANW, USA, Massachusetts, Buzzards Bay 9793
 British Isles, Northern Ireland, Blaxter L. 5359
 ISEW, Philippine Sea 10212
 ISW, India, Cochin Backwater 9073

PSE, Australia 5916
 Uganda, George L. 7976, 7977
Diatomaceae: Czechoslovakia, Piestany Spa 10949
Gobionellus saggittula 10833

Muscular system,

Ambystoma mexicanum 9499
Arthropoda 9306
Astacidae 8303, 12923
Astacus astacus: Finland, Tullusjaervi L. 6163
Austropotamobius pallipes 9316
Bagarius bagarius 3990
Botryllus schlosseri 8477
Callinectes parasitica 10415, 10416
Callinectes sapidus 8256, 13902
Carcinus maenas 8266
Chionoecetes opilio 6883
Circolana borealis 6132
Crustacea 10499
Cryptochiton stelleri 8237
Cyprinus carpio 9435
Dendrodoa grossularia 5101
Echiniscoides sigismundi 4821
Gobio gobio 10568
Golfingia gouldii 12831
Homarus gammarus 10513
Lampetra fluviatilis 6333
Lampris guttatus 10560
Lethenteron meridionale: USA, Inland waters 11764
Limulus 9306
Loligo 6114, 6115
Menidia menidia 10624
Mollusca 10461
Mytilus edulis 6119, 10459
Oithona ovalis 10473
Ophicephalus striatus 8330
Opisihobranchia 8199
Orconectes limosus 9312
Pagophilus groenlandicus 6370
Pisces 8892, 10629
Pisces: Sudan, Wad Medani, Gezira 12251
Rana rugosa 8429
Salmo salar 6327
Spisula solidissima 4932
Symplectoteuthis oualaniensis 6112, 6116
Thunnidae: ISEW, Taiwan 10612
Thunnus albacares 10618
Thymallus arcticus 6329
Tilapia 10617
Tilapia nilotica 7234
Turbanella cornuta 3878
Urodela 8430
 Cold storage: *Placopecten magellanicus* 2222
 Length-weight relationships: *Pisces* 2973
 Proteins: *Eptatretus burgeri* 1560
 Respiratory organs: *Channa punctatus* 1491
 Ultrastructure: *Raja clavata* 267
 Ultrastructure: *Torpedo nobiliana* 267

Muscular systems,
Ambystoma 8428
Arcoidea 8626
Arvicola terrestris 4057

Batrachia 10682
Chaetopterus variopedatus 2583
Crustacea 6173
Decapoda 11663
Enhydra lutris 2847
Erpobdella 8188
Hydra 12822
Hymenolepsis microstoma 3865
Mystus vittatus 11793
Mytilus edulis 10454
Penaeus 10505
Phocoena phocoena 11832
Rana temporaria 2866
Scyliorhinus stellaris 9448
Scylla serrata 12921
Symplectoteuthis oualaniensis 6113, 6117
Tachypleus gigas 6149
Thynnus thynnus 10622
 Biochemistry: *Macrognathus aculeatus* 2840
 Nervous systems: *Anura* 2852
 Respiration: *Macrognathus aculeatus* 2840
 Taxonomy: *Canthigaster valentini* 1528

Musculature,
Anguilla anguilla 12946

Mutations,
 7768
Abedus herberti 11716
Anabaena doliolum 7117
Anacystis nidulans 5990
Chironomus tentans 10534
Chlamydomonas 2458
Chlamydomonas reinhardi 2502, 10331
Chlorella 4782
Culex tarsalis 8308
Paramecium aurelia 12834
Paramecium tetraurelia 9203
Pleurodeles waltlii 4049, 7339
Saccharomyces 2458
Salmonella typhimurium 7704
Tetrahymena 4848
Tradescantia 5993
Umbra limi 10589

Nannoplankton,
 10934
 ASE, France, Marseille 3079, 3080
 ASE, Mediterranean 9064
 ASW, Sargasso Sea 3114
 ISE 3114
 ISE, Peru 3133
 ISW, India, Cochin 10971
 USSR, Ural lakes 10932
 Biomass: ISE 1924
 Production (biological): ISE 1924
 Taxonomy: ASE, Tyrrhenian Sea 451

Natural mortality,
Clupea harengus: ANE, Norwegian Basin 5663
Pusa caspica: USSR, Caspian Sea 9452

Natural resources,

ISW, Mascarene Is., Reunion I. 5777
 2444
 Surveys: ANE, France, Brittany 3
Nature conservation,
 ANE, France 11150
 ANE, France, Somme Bay 12293
 ASE, France 10118, 11150
 ASW, Martinique 5531
 Europe 12296
 Netherlands, Tienhoven 13121
 PSE, Australia, Sydney, Long Reef 6603
 USA 2261
 USA, Idaho, Salmon R. 7773
 World littoral waters 11151
Aeshna viridis: Germany, F.R., Schleswig-Holstein 9540
Eretmochelys imbricata: ISW, Seychelles 9476
Lontra felina: PSW, Chile 11153
Lontra felina: USA 11153
Odonata: British Isles 5549

Nauplii,
Balanus balanoides 7205
Brachyura: ASE, Black Sea 9291
Euphausiacea: PSW, South Georgia 6442
Oithona ovalis 10473
Pontella meadi 10491
Pseudodiaptomus marinus 7211

Naval engineering,
 4590
Navigation,
 2296, 5795, 5806, 6435, 6960, 7027, 7957, 8942, 8951,
 12560
 ISE, Colombia 3680
 PN, Arctic 4636
 Sea law 1243

Navigation regulations,
 6959
 ANW, USA, Maryland 6777
 USA, Mississippi 4563
 3603
Nekton,
 9762
 ANW, USA, Maryland, Patuxent R. 9763
 ANW, USA, North Carolina, Albemarle Sound 4230
 ISW, Persian Gulf 5387
 USA, North Carolina, Neuse R. 4230
 World estuarine waters 9791

Nematocysts,
Cnidaria 12793
Hydra littoralis 13262

Nerves,
 10463
Anguilla anguilla 10634
Aplysia 4928, 4934, 10462
Aplysia californica 11605
Aplysia depilans 10458
Astacidae 8303, 12923
Cambarus 10500
Caudata 8433
Clarias batrachus 10627

Nerv

Crustacea 6173
 Cyprinidae 9353
 Cyprinus carpio 8415
 Electrophorus electricus 10616
 Ericymba buccata 6221
 Gadus morhua 9407
 Geoclemys reevesii 11840
 Golfingia gouldii 12831
 Loligo 2644
 Mugil cephalus 10552
 Myxicola infundibulum 12837
 Orconectes limosus 10488
 Pholidichthys leucotaenia: ISEW 11765
 Pisces 6338, 10582
 Polycelis nigra 8180
 Pomatomus saltatrix 3999
 Porcellio dilatatus 10520
 Rana 8425
 Rana esculenta 13096
 Rana pipiens 9491
 Salmo trutta 6198
 Scylla serrata 12920, 12921
 Squalus acanthias 5064
 Sternarchus albifrons 10616
 Torpidinidae 13004
 Triturus viridescens 11851
 Urodela 8430

Nervous system,
 10463

Acipenseridae 13011
 Anarhichas 3996
 Archidoris pseudoargus 8234
 Artemia salina 4862
 Arthropoda 10496
 Chrysemys picta 10698
 Clarias batrachus 13061
 Ctenodrilus seratus 10381
 Ctenolabrus rupestris 5065
 Cubozoa 12795
 Decapoda 11691
 Eigenmannia 13199
 Gnathonemus petersii 13201
 Hirudo medicinalis 10417
 Lampetra fluviatilis: British Isles, Inland waters 12014
 Limulus 10496, 11692, 11696
 Lysiosquilla occulta 11673
 Mormyrus rume 13201
 Nandus nandus 9406
 Octopus joubini 8210
 Panulirus japonicus 8286
 Procambarus 5211, 10480, 10481
 Procambarus clarkii 2711
 Protopterus dolloi 5016
 Rana catesbeiana 8455
 Salamandra salamandra 8471
 Salmo gairdneri 13025
 Sepia officinalis 10448
 Squalus acanthias 9411
 Stomphia coccinea 10419
 Brain : Acipenser ruthenus 1526
 Cytology: Torpedo ocellata 1490

Heart: *Procambarus clarkii* 231
 Physiology: *Limulus polyphemus* 232
 Physiology: *Procambarus clarkii* 231
 Respiration: *Limulus polyphemus* 232

Nervous systems,

Aplysia 7195
 Aplysia californica 9260
 Bagarius bagarius 6196
 Barytelphusa cunicularis 3978
 Brachydanio rerio 8404
 Bufo americanus 1693
 Caiman crocodilus 5105
 Calliactis parasitica 10415, 10416, 10778
 Carassius auratus 9352
 Carassius carassius 5027
 Chrysemys picta 8453
 Clarias batrachus 2841, 4017, 6239
 Crustacea 8255
 Cyprinidae 13005
 Cyprinus carpio 9435
 Dasyatis pastinaca 6332, 6337
 Decapoda 10482, 11663
 Dendrodoa grossularia 11850
 Discoglossus pictus 6354
 Epiplatys burgeri 8333
 Gadus morhua 6340, 9407
 Gambusia affinis 4013
 Gymnotidae 1556
 Heteropneustes fossilis 6270, 7296
 Homarus 10482
 Hymenolepsis microstoma 3865
 Lampetra fluviatilis 6333
 Leibes reticulatus 11796
 Limulus 4985
 Lymnaea stagnalis 6126, 9244
 Mormyridae 1556
 Pacifastacus trowbridgii 9317
 Pagurus ochotensis 10771
 Panulirus 10498
 Panulirus vulgaris 10516
 Phocanema decipiens 11550
 Pisces 5080, 10582, 11815
 Pleurobranchaea 10826
 Procambarus bouvieri 5170
 Procambarus clarkii 10517
 Protopterus dolloi 3995
 Rana catesbeiana 6373
 Rana temporaria 2861
 Renilla koellikeri 4858
 Scorpaena porcus 6332
 Scyliorhinus canicula 4022
 Siboglinum fiordicum 3900
 Spisula solidissima 4932
 Squalus acanthias 4022
 Stomatoca atra 1381, 1382
 Teleostei 2793, 8341, 8342
 Torpedo 10626
 Veretillum cymnorum 6057
 Xenopus laevis 8436

- Ultrastructure: *Echinodermata* 2553
 Ultrastructure: *Mytilus edulis* 10531
 Ultrastructure: *Octocorallia* 2554
- Net fishing,**
 13556, 13566
- ANW, St. Lawrence Estuary 8843
Anguilla anguilla: ANE, Germany, F.R., German Bight 6805
- Lucirolates*: Tanzania, Tanganyika L. 13325
- Nets,**
 13561
- Neuston,**
Brachyura: ASE, Black Sea 9291
Pisces: ANW, Northumberland Strait 12111
- New record,**
Caryophyllaeus brachycollis: France, inland waters 8132
Ceramium howei: INW, Japan 8513
Clausocalanus tobei: ASE, Adriatic 1654
Codium fragile: ANE, Iceland 8509
Conchoecia skogsbergi: PN, Arctic 11651
Cottus poecilopus: Poland, Hancza L. 1651
Dichotrachelus grignensis 8313
Doliopsis rubescens: ASW, Bermuda 9523
Homalopoma boffui: ASW, Brazil 1649
Lycoteuthis diadema: PSE, New Zealand 7369
Oocystaenium elegans: Nepal 13139
Oregoniateuthis longimanus: PSE, New Zealand 7369
Palaemon elegans: Iraq, Abu-Dibic L. 1627
Pseudomalaxis nobilis: ASW, Brazil 1648
Saccorhiza polyschides: ASE, Italy 2875
Serolis foresti: ASW, Brazil 3949
Stauroneris caecus: ANE, North Sea 8492
 Geographical distribution: *Araphidales*: PSW, Argentina, Puerto Deseado 133
- New records,**
Abrialopsis pfefferi: ASW, USA, Florida 11870
Acanthosquilla derjardi: ISW, Aqaba Gulf 2897
Achtheres micropteri: America, Erie L. 8604
Acronosorium uncinatum: ANW, USA, North Carolina 10714
Aeshna subarctica: USA, Maine 1631
Agabus glazunovi 2727
Algae: ANW, USA, North Carolina, Onslow Bay 5980
Algae: British Isles, Anglesey, Newborough Warren 8653
Algae: Canada, British Columbia, Fraser R. 12743
Algae: Canada, Labrador 8097, 8098
Algae: INW, Japan 6405
Algae: ISW, Somali Dem. Rep., Sar Uanle 8503, 10721
Alpheus splendidus: ISW, India 10483
Ambystoma macrodactylum: Alaska, Taku R. 9527
Ammocrypta asprella: USA, Florida, Escambia R. 2915
Ampelisca bouvieri: PS, Antarctic Ocean 9277
Ampelisca gibba: ASE, Adriatic 10471
Ampelisca tenuicornis: ASE, Adriatic 10471
Amphibia: USA, West Virginia 5159
Amphisolenia bispinosa: ISW, Arabian Sea 9131
Amphisolenia rectangulata: ISW, Arabian Sea 9131
Anarhichas denticulatus: ANW, St Lawrence Estuary 1644
- Anguilla japonica*: Philippines, Cagayan R. 328
Anguilliformes: ASW 6227
Anodonta piscinalis: Norway 6411
Antarcticobdella crozetensis: PS, Antarctica, Marion Is. 8504
Apelochirus aestivalis: Switzerland, Neuchatel L. 6420
Aplysia parvula: ANE, British Isles, Devon 2904
Aporrhais uttingerianus: ASE, Syria, Latakia 12515
Archosargus probatocephalus: ANW, Canada 8494
Arctocephalus: ISEW, New Caledonia 6417
Ariomma melanum: ASE 9382
Aspidomolgus stoichactinus: ASW, Curacao 2698
Astasia dangeardii: Japan, Inland waters 12747
Atagema gibba: ANE, British Isles, Cornwall 2903
Athripsodes 5001
Attheya decora: ANE, Sweden, Oeresund 2887
Balaenoptera borealis: ASE, Spain 2893
Balanus reticulatus: ASW, Curacao 2696
Balistes carolinensis: ASW, Brazil 9338
Bassobythites brunswigi: ISEW, Pescadores Is. 11736
Batophilus brevis: INW, Kuroshio Current 10708
Benthodesmus elongatus: INE, USA, California, Moss Landing 13141
Bradyetes matthei: ANE, Norway 9289
Branchinecta: USA, Utah 8512
Branchinecta paludosa: ANE, Norway, Oppland, Yelsbotn 9531
Bryophyta: British Isles, Scotland, Inland waters 11874
Bufo: Japan, Gifu Prefecture, Neo-Nishitani R. 6357
Bulinus truncatus: Kenya, Inland waters 13149
Callianassa armata: ISW, Mauritius 9520
Callianassa indica: ISW, Mauritius 9520
Callinectes sapidus: ASE, Black Sea 1618
Candonocypris assimilis: Japan 769
Caprella: INW, Korea 9534
Castor: USA, Arizona 13078
Cerithium litteratum: ASW, USA, Florida 11603
Cetorhinus maximus: ASW, Brazil 5140
Cetorhinus maximus: ASW, Mexico Gulf 8498
Chaetogammarus stoerensis: ANE, Baltic 6407
Chaetogammarus stoerensis: ASE, Portugal 1617
Chaetopeltis: India 8501
Charonia lampas: ANE, British Isles, Cornwall 11592
Charopinus dubius: ASE, Tunisia 2668
Chlamidoselachus anguineus: ASE 6434
Chlopsis bicolor: ASW 13151
Chlorophyta: PSW, Argentina 3846
Chodatella: Japan 6404
Chodatella quadriseta: Japan 6404
Chondracanthidae: PSE, New Zealand 7482
Chriolepis benthonis: ASW 13151
Chrysonebula holmesii: France 11872
Ciliata: Mexico, Morelos State, San Anton waterfall 8515
Cliona carteri: ASE, Tunisia 7135
Cliona celata: ASE, Tunisia 7135
Colpichthys regis: USA, Arizona 11757
Conus capitaneus: ISW, Sri Lanka 6430
Corallophila marrati: ASE, Congo, People's Rep. 7367
Corvospongilla bohmi: Brazil, Guaiba R. 4067

- Corynoma speculator*: ASW, USA, Florida 11870
Craspedacusta sowerbii: New Zealand, North Island
 Lakes 7370
Crustacea: ASE, Canary Is 6848
Crustacea: Finland, Kymijoki R., Lakes 10465
Ctenocheilocaris claudiae: Brazil 6135
Culex: Iran 6418
Culiseta: Iran 6418
Cyclidiopsis acus: Japan, Inland waters 12747
Cypraea becki: ISW, Tanzania 2901
Cypraea teres: ISW, Jordan, Aqaba 2595
Daphnia: Germany, F.R. 10711
Decapoda: ASE, Aegean Is., Rhodes 10470
Decapoda: ISW, Mascarene Is., Reunion I. 6844
Demospongia: ISW 4071
Dermochelys coriacea: ASW, Brazil, Marajo I. 11831
Desmidiaceae: Chile, Concepcion 5974
Diaphus adenomus: ASE 6234
Diatomeae: Chile, Concepcion 6557
Diatomeae: USA, Utah, Timpanogos Cave 7352
Dicotyledonae: USA, California 8519
Dinoflagellata: PSW, Chile, Concepcion Bay 5146
Diptera lithotelmatica: British Isles, Yorkshire 2900
Diptychus maculatus: Pakistan 7236
Diptychus maculatus: Pakistan, Inland waters 12966
Discia atlanticus: ISW, Kenya 2895
Dugesia japonica: INW, Japan, Southwest Is. 11570
Dugesia tigrina: Netherlands 6413
Echinozoa: ASW 4810
Ectreposebastes imus: ANW, USA, South Carolina 2916
Enallagma carunculatum: USA, Maine 1631
Endeis charybdaea: ASE, Adriatic 2919
Enneacanthus chaetodon: USA, Virginia 4094
Entosiphon obliquum: Japan, Inland waters 12747
Eubalaena australis: PSW, Marion Isl. 4089
Eurydice littoralis: ASW, Brazil 4944
Facciolella physonema: ASW 13151
Favella panamensis: ASW, Venezuela 4183
Ferrissia fragilis: USA, Texas 11877
Foraminifera: PSW 11551
Fungi: ANE, Eire, Galway Bay 8082
Galaxias brevipinnis: Tasmania 12949
Gammarus salinus: ASE, Spain 1617
Geryon affinis: ANE, Norway 2918
Gibbula candei: ASW, France, Arcachon 5135
Globicephala: PSE, Tasmania 6346
Glycymeris stellata: ASW, France, Arcachon 5135
Glyptonotobdella antarctica: PS, Antarctica, Marion Is. 8504
Gnathostenetroides laodicense: ASE, Italy, Linosa I. 337
Gobius paganellus: ANE, British Isles, Essex 6415
Gonatopsis japonicus: INW, Okhotsk Sea 2927
Goniaulax monacantha: ISW, Pakistan 335
Goniaulax polygramma: ISW, Pakistan 335
Gorgasia maculata: ISW, Comoro Is., Mayotte I. 5035
Gorgasia maculata: ISW, Comoro Isl. 2921
Grapsidae: ISW, Tanzania 3946
Gymnothorax pikei: ISEW, Papua New Guinea 7371
Gymnothorax reticularis: ISEW, Australia, Queensland 5158
Haliclona loosanoffi: ANE, Netherlands 13132
Harpacticoida: ANE, Baltic 9682
Hebetancylus excentricus: USA, Texas 11877
Helicocranchia pfefferi: ASW, USA, Florida 11870
Helminthocladia hudsonii: ASE, Mediterranean, Straits of Messina 7360
Hemirhamphus xanthopterus: ISW, Iraq 13134
Heterocypris incongruens: Japan 769
Heteromeyenia stepanowii: Brazil, Guaiba R. 4067
Hirudinea 8134
Holanthias rhodopeplus: ISW, India, Quilon 12963
Hydrophilidae: Cayman Is., Grand Cayman 11706
Hydroporus glabriusculus: British Isles, Scotland 10526
Hydroporus piceus: Germany, F.R. 6421
Hyla berthae: Brazil 4066
Hyphomycetes: USA 13152
Hypsoblennius hentzi: ANW, Canada 8494
Ichthyoxenus jellinghausii: India, Jabalpur, Pariat L. 13295
Idotea metallica: ASW, Brazil 5139
Illinobdella alba: America, Erie L. 8604
Inimicus sinense: ISW, India 4076
Inimicus sinense: ISW, Mannar Gulf 1637
Inimicus sinense: ISW, Sri Lanka 4076
Isopoda: ASE, Turkey 6408
Kermia informa: ISE, Ecuador 7379
Kraemeria samoensis: ISW, India 1638, 4078
Laevapex fuscus: USA, Texas 11877
Leuciscus cephalus: Italy, Inland waters 1619
Lissomyema exilii: ASW, Brazil, Ilha Grande 4811
Macrobrachium: Andaman Isl. 2680
Macrobrachium: Nicobar Isl. 2680
Macrochaeta australiensis: PSE, Australia 9191
Macrochiridothea: ASW, Brazil 4945
Majidae: ISEW, Philippines 7200
Mallomonas: USSR, Volga R. 6403
Margaritifera margaritifera: Norway 6411
Mermithidae: USA, South Carolina 10866
Mesothamnion boergeseni: ANW, USA, North Carolina 10714
Microturbellaria: Kenya 10724
Mollusca: ASE, Cyprus 12840
Mollusca: INW, Japan, Hachijo I., Kurose 2639
Mollusca: PSW, South Africa Rep. 9242
Monocotyledoneae: USA, California 8519
Morum praeclarum: PSW, South Africa, Natal 4874
Mya arenaria: ASE, Black Sea 2648
Mystus pelusius: Turkey, Keban Dam L. 7359
Myxidium lieberkuehni: India, West Bengal, Sundarbans 13303
Myxocephalus quadricornis: Finland, Lakes 6752
Namanareis quadriceps: PSW, Chile 2922
Nannastacus unguiculatus: ASE, Black Sea 3120
Neoglyphea inopinata: ISEW, Philippines 9290
Neophocaena phocaenoides: ISW, Iraq 13136
Nettodarus: ASW 13151
Ocypodidae: ISW, Tanzania 3946
Oedogonium: INW, Japan 12746
Oithona hebes: ASW, Venezuela 4183
Oligochaeta: ANE, Iceland 10385
Oncorhynchus gorbuscha: USSR, Ob' R. 7824
Ondatra zibethica: Canada, North West Territory,

- Keewatin 1636
Onoba fortis: ISE, Peru 7379
Opichthys evermanni: ISEW, Australia, Queensland 5158
Opisthobranchia: INE, Canada, British Columbia 8496
Opistognathus melachasma: ANW, USA, North Carolina 7252
Osmerus mordax: Canada, Quebec, Gatineau River Valley 5143
Ovatipsa chinensis: ISW, Sri Lanka 6430
Palaeomutela subparallelata: South Africa, Natal 6083
Paramya subovata: ANW, USA, Delaware 2908
Parasudis trunculentus: ASW 13151
Paroecetis struckii: Netherlands, Tienhoven 13122
Pegasus natans: ISW, Iraq 13137
Pelobates syriacus: Greece 2920
Penaidae: ISW, Africa 11665
Peranemopsis granulifera: Japan, Inland waters 12747
Persephona punctata: Barbados 8262
Phaenomonas: ISE 11761
Phaeophila tenuis: ANE, British Isles 1621
Phyllidiidae: INW, Japan, Kii, Seto 8194
Pimphales promelas: USA, Oregon, Spencer Creek 13143
Pisces: ASE, Canary Is 6848
Pisces: ASW, Cuba 9343
Pisces: ASW, Mexico Gulf 8646
Pisces: Canada 5143
Pisces: ISEW, Guam 2749
Pisces: ISW 11734
Pisces: USA, Virginia, East R. 4092
Piscicola geometra: Norway, Trondelag 5144
Piscicolaria reducta: USA, Minnesota, Zumbro R. 10867
Piscicolidae: USA, Oklahoma, Texoma L. 10868
Planktoniella sol: ANW 10722
Platysympus japonicus: INW, Japan 7372
Plecoptera: USA, Montana 1630
Poecilopsis gracilis: USA, California, Inland waters 9525
Polyacanthonotus rissoanus: ASE, Spain 5041
Polyartemia forcipata: ANE, Norway 6412
Polycelis: Romania 8159
Polystoma gallieni: Morocco 2891
Pontinus nematophthalmus: ANW, USA, South Carolina 2916
Portunidae: ISW 12889
Portunus oblongus: Barbados 8262
Potamopyrgus ciliatus: Cameroon 11595
Prasiola delicata: INW, Japan, Akkeshi 2503
Procambarus clarkii: Mexico, Baja California 6145
Procambarus hinei: USA, Texas, Brazos R. 3964
Procambarus incilis: USA, Texas, Brazos R. 3964
Prosobranchia: ASE, Italy 7374
Pseudione magna: ISEW, Guam 13147
Pseudocharopinus malleus: ASE, Tunisia 2668
Pseudogrillotiidae: ISE, Hawaii 7145
Pseudorca crassidens: PSE, Tasmania 6346
Pterygioteuthis pfefferi: ASW, USA, Florida 11870
Pyramidella acus: ISW, Sri Lanka 6430
Rhododictyon bermudensis: ANW, USA, North Carolina 10714
Rhodophyta: ANW, North Carolina, Onston Bay 9134
Rhynchocinetes rigens: ISEW, Ryu-kyu Is. 7373
Ricciaceae: New Zealand 2512
Rosaura rotunda: INW, Kuroshio Current 10708
Salinator fragilis: ISW, Arabian Gulf 2614
Saurechelys cancrivora: ASW 13151
Schilderia teremachii: INW, Japan, Izu I. 2926
Scintillona stigmatica: INW, Japan, Honshu 5417
Scolecithricella tropica: ISW 10717
Scorpaenidae: ISE, Hawaii 1521
Scorpaenodes tredecimspinosus: ANW, USA, South Carolina 2916
Scyllarus posteli: ASE, Spain, Cadiz Bay 13148
Sepia pharaonis: ANE, Netherlands 4871
Sepia pharaonis: ASW, France, Arcachon 5135
Serolis: ASW, Brazil 4062, 4063
Serolis tropica: ISE, Panama 4950
Simulidae: Japan, Yamanashi Prefecture 6414
Siphonophora: ISW, India 3866
Sipunculoidea: ISEW, East China Sea 11565
Sisyrta vicaria: USA, California 4083
Soleichthys siamkutti: ISEW, Thailand Gulf 2786
Somatochlora cingulata: USA, Maine 1631
Sphaeroplea: New Zealand 4770
Stephanolepis hispidus: ASW, Brazil 9338
Stephanosphaera pluvialis: ANE, Denmark, Bornholm I. 12735
Stereochilus marginatus: USA, Florida 2914
Stizostedion canadense: USA, Florida, Apalachicola R. 2915
Stomatolepas elegans: ANE, British Isles, Scotland, Crail 13146
Stomatolepas elegans: ANE, British Isles, Scotland, Kirkcudbrightshire 13146
Stomatolepas elegans: ANE, Norway, Skarvoey 13146
Stomatolepas elegans: ISEW, Malaya, Kuala Lumpur 13146
Sulfolobus acidocaldarius: New Zealand, North I., Rotorua-Taupo 9098
Synidotea marplatensis: ASW, Brazil 5139
Tanaidae: ASE, Turkey 6408
Tanais stanfordi: Galapagos, Genevsa Island, Arcturus Lake 4988
Tanystylum intermedium: ISE, Chile 7358
Tarebia granifera: Cuba 2909
Thelohania contejeani: New Zealand, Leith Stream 9662
Trapania maculata: ANE, British Isles, Dorset, Portland 11607
Trichoptera: Morocco 10530
Tripyla tenuis: USSR, Issyk-Kul' L. 10363
Triturus cristatus: Azores 7356
Triturus vulgaris: Denmark, Jutland 8439
Trypanosoma bufophlebotoxi: USA, Michigan, McCormick Experimental Forest 7144
Trypanosoma schmidtii: USA, Michigan, McCormick Experimental Forest 7144
Turbellaria: ANE, Norway, Stjoernfjord 9171
Turbellaria: ANE, Norway, Trondheimsfjord 9171
Tursiops truncatus: ASE, Venice Lagoon 6416

- Urceolariidae*: Bulgaria 1754
Urceolus cyclostomus: Japan, Inland waters 12747
Varicospira cancellata: ISW, Sri Lanka 6430
Vasconiella jeffreysiana: ASE, France, Messanges-Plage 2885
Vettoria parva: ISW 4077
Volvocales: India 11470
Wintheria telescopa: INW, Kuroshio Current 10708
Xarifania bassi: ISW, Comoro Isl. 2921
Xarifania hassi: ISW, Comoro Is., Mayotte I. 5035
Yabeicerias manasoense: PSW, South African Rep. 10101
Zen itea: ISW 11763
Zonophryxus dodecapus: ISEW, Guam 13147
 Geographical distribution: *Echiuroidea*: ASE, Portugal 324
 Geographical distribution: *Eubrianax edwardsi*: USA, Nevada 1480
 Geographical distribution: *Hydrocorisae*: Austria, Neusiedlersee 1632
 Geographical distribution: *Hydroporus longicornis*: USSR, Kavkaz 1629
 Geographical distribution: *Idunella pirata*: ASE, Mediterranean 214
 Geographical distribution: *Lembos*: ISW 212
 Geographical distribution: *Peyssonnelia rosa-marina*: ASE, Portugal, Sines 1652
 Geographical distribution: *Pisces*: Tasmania 1650
 Hosts: *Echinocephalus sinensis*: ISEW, Hong Kong 1750
 Hosts: *Teredicola typicus* *Lyrodus pedicellatus*: PSE, New Zealand 1800
 Introduced species: *Janua brasiliensis*: ANE, British Isles, Hampshire 1663
 Introduced species: *Pileolaria rosepigmentata*: ANE, British Isles, Hampshire 1663
 Symbiosis: *Caprella equilibra*: ANW, USA, Massachusetts, Mt. Hope Bay 1628

New species,
Acanthaspidia laevis 1436
Acanthocephalus tahlequahensis: USA, Oklahoma 6037
Acanthoeceae: ANE, Denmark, Isefjord 7107
Acanthomolgus: ASW, Netherlands Antilles 6131
Acartia bowmani: ISW, India, Cochin Backwaters 6142
Acartia californiensis: INE, USA, California 12892
Acartia enzoi: ASE, Italy 3961
Acartia enzoi: ASE, Mediterranean 1433
Acartia josephinae: ASE, Italy 3961
Acartia josephinae: ASE, Mediterranean 1433
Acartiura jilletti 9285
Acartiura lefevreae 9285
Acartiura omorii 9285
Acartiura teclae 9285
Acartiura tranteri 9285
Acetabularia haemmerlingi: ISEW, Solomon Is. 4773
Acetes orientalis: ISW, India, Goa 8261
Achnanthes mamchyi: Hong Kong 12742
Acilius fratermus dismalus: USA, Virginia 12927
Acinetobacter 9104
Acoela: ANE, North Sea, Sylt Isl. 3875
Acrocirrus aciculigerus: PSE, Australia 9191
Acroneuria: Nearctic Region 11713

Acrorhynchides styliferus: ANE, British Isles 1366
Actabularia haemmerlingi 5979
Actacarus monnotiae: ASE, France, Banyuls-sur-mer 4835
Adelophyton comeum: ISW, Australia, South Australia 1302
Aeolosoma maritimum: ISE, Galapagos 3871
Africatenula riuruae: Kenya, Inland waters 11569
Africonus echinophilus: ASE, Senegal 6103
Agabus freudei 2727
Agulanthura: PSW, South Africa Rep. 1426
Algophagopsis pneumatica: USA, California, King R. 2728
Alpheus grahami: ISE, Columbia, Malpelo Isl. 2659
Alpheus leptochelae: ISEW, Papua New Guinea, Sepik R. Estuary 2684
Alteromonas luteo-violaceus: ASE, Mediterranean 8083
Ameiridae: ASE, Mediterranean 4965
Ampelisca anversensis: PS, Antarctic Ocean 9277
Ampelisca richardsoni: PS, Antarctic Ocean 9277
Amphilepis teodora: ASW, Brazil 3863
Amphilepis nuda: ISE, Peru-Chile Trench 12808
Amphioplus mathildae: ASW, Brazil 3863
Amphisolenia biprojecta: ISW, Pakistan 9131
Amphisolenia taylori: ISW, Pakistan 9131
Anabaena curva: USA, Minnesota, Christmas L. 9135
Anabaena fusca: USA, Minnesota, Christmas L. 9137
Anabaena perturbata: USA, Minnesota, Rice Marsh L. 9136
Anacropora matthaii 3867
Ancyrophora cornuta 7466
Antarctodarwinella ellioti: PSW, British Antarctic Territory, Seymour I. 10439
Antipella praeclara: ASE, Senegal 4842
Aphyonius bolini: ISEW, South China Sea 2791
Apiosoma lotae 7481
Apiosoma piscicola 7481
Apogon albimaculosus: ISEW, Australia, Queensland 9375
Apriophorus 2726
Archaeolithophyllum missouriense 5967
Arenicolites variabilis: ANE, British Isles 2569
Arenostella monensis: ANE, Isle of Man 7206
Ariomma helena: ASE 9382
Arnoglossus armstrongi: PSE, Tasmania 5011
Arrenurus guatemaltecus: Guatemala 3982
Arthrobacter siderocapsulatus 3835
Ascidia citrina: INW, Japan 1360
Ascidacea: I, Pacific 9451
Asellota: ASE, Mediterranean 4966
Asplanchnopus bhimavaramensis: India 171
Asteropontius: ASW, Curacao 2698
Asymmetrione clibanarii: ASW, USA, Florida 2675
Asymmetrione desultor: ANW, USA, North Carolina 2675
Atherstonia madagascariensis: Madagascar 12967
Atopocoenia kugleri: Venezuela, Margarita Isl. 3898
Atriasier: ISW, Arabian Sea 7155
Atrobucca trewavasae: ISW, Bengal Bay 10576
Atrobucca trewavasae: ISW, India, Bay of Bengal 268
Austroarcturus: PSW, South Africa Rep. 1426

- Bacteria* 3836
Balanus tuberculatus: ISEW, Philippines 1447
Balkanostenasellus: Bulgaria 206
Barathronus maculatus: ISW 11769
Barbus erubescens: South Africa, Cape Province, Olifants R. 6222
Bathyclupea elongata: ASE 6236
Bathymochoecia arctica: PN, Arctic 11651
Bathynomus: PSE, Australia, New South Wales 4956
Bathypontia kanaevae: ASW 10472
Beckerella scalaramosa: ISEW, Philippines 9138
Bellator grobovi: PSE 6155
Benthodesmus neglectus: ISEW 11745
Benthodesmus suluensis: ISEW, Sulu Sea 11745
Benthopecten chardyi: AS 158
Biancolina obtusata: INW, Japan Sea 11672
Bifaxaria lagaaija 1143
Bifaxaria redieri 1143
Boccardia limnicola: Australia, Victoria, Inland waters 9190
Brachionus charini: USSR, Inland waters 11571
Brachiopoda: Australia 8154
Brachiopoda: PNE, Canada, North West Territory 7924, 11537
Bradyetes matthei: ANE, Norway 9289
Branchinella sublettei: USA, Texas, Inland waters 6139
Branchioglossum minutum: ANW, USA, North Carolina, Onslow Bay 4759, 5980
Bratislavia 7137
Brederveldia bidentata: ANE, Netherlands 1346
Bryocladia densa: ISW, Mozambique 2504
Bryozoa 12781
Bryozoa: ANE, British Isles, Scilly Is. 12800
Bryozoa: PSW, Chile, Magellanic Region 4820
Bulbodacnitis alpinus: Canada 9657
Bunocotyle sudatlantica: ASW, Brazil, Salvador 10368
Cabillus anchialinae: ISW, Red Sea, Sinai Peninsula 6220
Cachonina ildefina: INE, USA, California 12752
Caiman yacare: Bolivia, Mamore R. 2844
Calidichthys inornatus: ISW 7264
Caligus kurochkini: ISW, Great Australian Bight 2682
Calliactis androgyna: ASW 4045
Callianassa arenosa: PSE, Australia, Victoria, Port Phillip Bay 7209
Callianassa australiensis: PSE, Australia, Victoria, Port Phillip Bay 7209
Callianassa ceramica: PSE, Australia, Victoria, Port Phillip Bay 7209
Callianassa limosa: PSE, Australia, Victoria, Port Phillip Bay 7209
Callionymus russelli: ISEW, Australia, Queensland 9385
Callistochiton portobelensis: ASW, Panama, Portobelo 7179
Callogobius trifasciatus: ISW, Andanam Is., Mayabunder 9370
Callyspongia: INW, Japan, Shikoku, Anan 2572
Cambaridae: USA, North Carolina 2692
Cambarus batchi: USA, Kentucky 8250
Camptoplites lutadae 1143
Cancellariidae: Australia coasts 9245
Cancerilla oblonga: PSW, South Africa Rep. 2677
Candelabrum brochiatum: Japan 7078
Candona matris: Poland 12879
Candona mira: Poland 12879
Candona slesiniaca: Poland, Poznan Province, Slecinskie L. 10474
Caprellidea: PSW, South Africa Rep. 9275
Cellarinella laminata: PSW, Antarctica, Greenwich Is., Bahia Chile 2548
Centropyge resplendens: ASE, Ascension I. 5018
Ceratomyxa sagarica: India, West Bengal, Sundarbans 13303
Ceratopogon nieves: Germany, F.R., Hessen, Schlitz 7579
Cercaria anadarae: ASW, USA, Texas 6033
Cercariaeum: USA, Michigan 8155
Cestodiscus: I, Pacific 2501
Chaetoderma araucanae: PSW, Chile, Valparaíso Bay 12850
Cheirodon dialepturus: Panama (Rep.) 4008
Cheirodon mitopterus: Panama (Rep.) 4008
Chelodina parkeri: New Guinea 13084
Chirocephalus sibyllae: Italy, Inland waters 12878
Chlamys phalara: PSW, Juan Fernandez Is. 4880
Choristes coani: INE, USA, Oregon 6102
Chroilepis: ISE, Columbia, Malpelo Isl. 2787
Cienkowskya arborescens: ASW, USA, Alabama, Mobile Bay 161
Clavagella mullerae: PSW, South Africa, Natal 2618
Clavularia steveninoae: MED, Mediterranean 8142
Cliona amplicavata: ASW, Bermuda 3889
Cliona paucispina: ASW, Bermuda 3889
Cobanocytherinae 1445
Colostethus goianus: Brazil 4042
Condylospora spumigena: Malaya, Gombak R. 5958
Conus typhon: ISW, Mozambique, Ilha Chiloane 10436
Copepoda: ANE 3950
Copidognathides minutirostris: ANE, France, Roscoff 11712
Corallimorpharia: ASW, Curacao 2698
Corallonoxia: ASW, Curacao 2660
Coralloxenia: ASW, Curacao 2660
Corymbellus aureus 5977
Coryphaenoides subserulatus: PSE 11743
Corythoichthys amplexus: ISEW, Fiji 9374
Coscinodiscus: I, Pacific 2501
Cosmarium sanukiense: Japan, Inland waters 12750
Crassatellina hollandi 11613
Crassostrea sikamea: INW, Japan 9241
Crenavolva matsumiyai: INW, Japan, Tanabe Bay 2633
Crepidacanta anakensis: ISE, Easter I. 4819
Cribrilaria paschalis: ISE, Easter I. 4819
Crybelocephalus birsteini: ASE, Canary Is., Fuerteventura 6148
Cryptonemia delicatula: ASW, Venezuela, Caribbean 10306
Ctenocheilocaris claudiae: Brazil 6135
Cumacea: INE, USA, California 3952
Cuspidaria kurodai: INW, Japan, Hachijo I., Kurose 2639

- Cyclopinae*: ANE, North Sea, Sylt I. 3957
Cyclotella hongkongensis: Hong Kong 12742
Cyclothone pseudoacclinicens: ANE 9379
Cylindroleberididae: ASE, Mauritania 2688
Cymbium souliei: ASE, Ivory Coast 1399
Cypraceae 11162
Cypraea angelicae: ASE, Portuguese Guinea 2615
Cyprididae: India, Madauri 2679
Cytharoides balechi: Antarctica 2562
Dactylagnus parvus: I, Pacific 7249
Dactylogyrus jaini 4824
Dactylogyrus zulfikari 4824
Dactyloscopus: ISE, America 9380
Dajardinascaris ritai: ISW, Pakistan 12805
Dapsilodus: USA, Illinois 10103
Datardinascaris: Pakistan 7151
Daturella chilensis: PSW, Chile, Mocha I. 2547
Daturella mochana: PSW, Chile, Mocha I. 2547
Davisia anoplopoma 162
Demania macneilli: ISEW, Australia, Queensland 9288
Dendrodoris goani: ISW, India 3927
Dendrodoris senegalensis: ASE, Senegal 4842
Dendrodoris warta: ASW, USA, Florida, Treasure I. 11619
Dermatobranchus: INW, Japan 12849
Desmidiaceae: Japan, Inland waters 12750
Desmodora ovigera: ASE, Yugoslavia 11567
Desmoscolex deconincki: ISEW, Great Barrier Reef 3862
Desmoscolex granulatus: ISEW, Great Barrier Reef 4807
Desmoscolex paralaavis: ISEW, Great Barrier Reef 4807
Desmoscolex wax: ISEW, Great Barrier Reef 3862
Diarthrodes drachi: ASE, France, Banyuls-sur-mer 4959
Diarthrodes gravellicola: ASE, Mediterranean 4964
Diarthrodes tetrastachys: ASW, Jamaica 9271
Diatomaceae: ISE, Tahiti 3068
Diatomae: ISW, Israel, Bardawil Lagoon 7085
Dictyocnus americanus: Jamaica, Red Gal Ring 3894
Dictyota hauckiana: ISW, Arabian Sea 10303
Dierespongia palla 11553
Dinoflagellata 12810
Dinoflagellata: Belgium, Gelinden 8635
Dinoflagellata: ISW, Persian Gulf 8103
Diplotriaena darnaudii: Kenya, Baringo L. 9660
Dipterosiphonia reversa: ANW, USA, North Carolina 10714
Discapseudes holthuisi: ASW, Antilles 1452
Disco: ASW, Caribbean 7210
Discotrema crinophila: ISEW, Bismarck Archipelago 11754
Djombangia indica 8149
Dolichomacrostomidae: ISE, Galapagos 3877
Doto: ANE, British Isles 11609
Drunella karasuensis 9328
Dugesia mediterranea 7163, 7164, 12791
Dytaster cherbonnieri: AS 158
Echineulima: World tropical regions 8196
Echinobothrium harfordi: ANE, North Sea 8594
Echinoderes pacificus: ISE, Galapagos 3881
Echinogammarus cannubinensis: Lebanon 218
Echinogammarus palmyrensis: Syria 218
Echinogammarus tabu: Lebanon 218
Echinostoma lahorensis: Pakistan, Lahore, Inland waters 12803
Ectinosoma soyeri: ASE, Black Sea 4971
Edwardsia ivelli: ANE, British Isles, Sussex 2556
Egmundella modesta: ISW, Seychelles 9173
Eimeria juniaensis: USA, Pennsylvania, Juniata R. 6036
Ekalakia lamberti 11666
Emblemariopsis pricei: ASW, Belize 6204
Emmelichthys ruber: ASE 9382
Endeis viridis: PSE, Crozet Is. 11714
Endophragmia triseplata 11449
Enhydrosoma baruchi: ANW, USA, South Carolina 1440
Enoplida: USSR, Baikal L. 9197
Ephippodonto oedipus 11625
Epithelionematobothrium fragile: ASW, USA, Florida 1762
Eptatretus longipinnis: ISW, Australia, South Australia 1492
Euxaoctopus pillsburyae: ASW, Caribbean Is. 1400
Eubranchus: INW, Japan, Echizen, Ayukawa 10441
Eucampia balaustium 4769
Euchaeta alaminiae: ASW, Mexico Gulf 2690
Euchirograpsus 6151
Euclavartus thiel: ISW 1359
Eugyra islandica: ANE, Iceland 2850
Eukrithe 1445
Eupera klappenbachi: Brazil, Rio Grande do Sul, Guaiba R. 9243
Eurydice elongata: ASW, Brazil 4944
Eurydice emarginata: ASW, Brazil 4944
Eurydice indicis: ISW, India 9272
Evermannella ahlstromi: I, Pacific 6205
Evermannella megalops: I, Pacific 6205
Falconoplax bicarinella: Barbados 8262
Fautor kurodai: INW, Japan, Tanabe Bay 2635
Favorinus blianus: ANE, British Isles, Penbrokeshire 1403
Feltria schusteri: Austria, Saalfelden 6179
Flagellata: Austria, Waldviertel 4771
Foraminifera 11556
Foraminifera: ASW, South American Shelf 10387
Fulgoraria zinsmeisteri 11611
Fusolarius kuroseanus: INW, Japan, Hachijo I., Kurose 2639
Gambusia: Mexico, Inland waters 4006
Gammaridea: PSW, South Africa Rep. 9275
Gammarus hyalleloides: USA, Texas, Phantom L. 8267
Ganeo micracetabulus: Pakistan, Lahore, Inland waters 12802
Genicanthus lamarck: I, Pacific Ocean 2758
Genicanthus personatus: I, Pacific Ocean 2758
Genicanthus spinus: I, Pacific Ocean 2758
Giselatay: Australia 1479
Giulanium campbelli 10533
Glaridacris vogei: USA 8165
Globotruncana lunaris: USA, Alabama 9183
Globotruncana pustulifera: USA, Alabama 9183

- Gloioderma blomquistii*: ANW, USA, North Carolina, Onslow Bay 4759, 5980
Glyptoria: Israel, Negev 10106
Gnathichnus pentax 3617
Goezia: Pakistan 7151
Goezia heteropneusti: ISW, Pakistan 12805
Goezia taunsa: ISW, Pakistan 12805
Golfingia abyssorum: ASE, Europe, Iberian peninsula 10380
Golfingia neimaniae: ISEW, East China Sea 11565
Goniocidaris noetlingi: ISW, Qatar 12512
Gonodactylus botti: ISEW, Indonesia 1450
Gonodactylus botti: ISEW, Java 4957
Gurleya chironomi 4832
Gymnodinium indicum: India 5983
Gymnophiura concava: ISE, Peru-Chile Trench 12808
Gyrineum atlanticum: PSW, Great Meteor Bank 2621
Gyrodactylus costatae 12797
Haemogregarina balli 8600
Halechiniscus grevini: ANE, France, Roscoff 11549
Halectinosoma winonae: ANW, USA, South Carolina 1440
Halicoides discoveryi: ASE, Canary Is., Fuerteventura 6148
Halmyrapseudes spaansi: ASW, Antilles 1452
Haplomesus biscayensis 1436
Haploniscidae: A, Atlantic 9278
Haploniscus charcoti 1436
Harpacticoida: ANE, Spitzbergen 3959
Harpacticoida: PSE, Kerguelen Archipelago 9279
Harpacticoida: PSW, South Africa 11659
Hastigerella: ASE, Mediterranean 4961
Hebella muscensis: ISW, Seychelles 9173
Heleniella serratosioi 11711
Helicometrina chilomycteri: ISW, Pakistan 7150
Henneguya sebasta: INE, USA, California 8152
Hepatus nodosus: Trinidad 8262
Heraldia nocturna: PSE, Australia, New South Wales 1523
Herbstia exserta: Barbados 8262
Hererohelix stenopus: USA, Alabama 9183
Heterias petrensis: Tasmania, Lake Crescent 4953
Heterocaprella claviger: INW, Korea Rep. 6140
Heterohelix spenoides: USA, Alabama 9183
Heteroncholeoides: Dahomey 1764
Heteropsyllus confluens: ASE, Mediterranean 4969
Heteropsyllus meridionalis: ASE, Mediterranean 4969
Heteropsyllus nunni: ANW, USA, South Carolina 1440
Hitzespongia bilamina 11553
Holanthias caudalis: ASE 9382
Holanthias perumali: ISW, Arabian Sea, Quilon 12963
Hormidiella bharatiansi: India, Jagdalpur 4768
Hyalodiscidae: ANW, USA, Virginia 164
Hyalophysa trageri: ANW, USA, North Carolina 8598
Hydroporous mariannae: Egypt, Arab Rep. 10532
Hygrobatas boettgeri: Guatemala 3982
Hymenomonas lacuna: INE, USA, Washington 5975
Hypnea volubilis: ANW, North Carolina, Onston Bay 9134
Hypselerodis bilineata: ASE, Senegal 4842
Ilisha sirishai: ISW, Bengal Bay 1503
Indocucullanus: Pakistan 7151
Indocucullanus calcariferi: ISW, Pakistan 12805
Indocucullanus karachii: ISW, Pakistan 12805
Inoceramus artigesi: France, Gironde R. 13948
Inoceramus borilensis dauensis: France, Gironde R. 13948
Interleptomesochra boguyensis: ANW, USA, North Carolina 8252
Iphiplateia orientalis: INW, Japan Sea 11672
Ischnochiton lopesi: ASW, Brazil 2603
Isoglaridacris erraticus: USA, Alabama 166
Isoglaridacris etowani: USA, Alabama 166
Israelaria: Israel, Negev 10106
Itunella intermedia: ASE, Black Sea 4971
Ivindomyrus opdenboschi: Africa, Gabon R. 1527
Janirella hessleri 1436
Janiszewskella fortobothria: USA, Pennsylvania, Susquehanna R. 8156
Jaspis: INW, Japan, Shikoku, Anan 2572
Juvenichitoninae: INW 4916
Kallymenopsis circinnata: INW, USSR 9119
Kinetoskias 1143
Kliipsyllus longifurcatus: ANE, Germany F.R. 2673
Koenikea tinka: Australia 1479
Kurodadrillia habui: INW, Japan, Tanabe Bay 2635
Lacydonia laureci: ASE, Mediterranean, Matapan Trench 4841
Lamellibrachia luymesii 3902
Lamellisabella: ISEW, Molucca Isl. 2848
Laridospora appendiculata: Malaya, Gombak R. 5956
Latirus bernadensis: ASW, Barbados 4899
Lecane bidentata 4822
Lecane donnerianus 4822
Lecane eswari: India, Andhra Pradesh 12798
Leioria: Israel, Negev 10106
Lepeophtheirus anguilli: ISW, India, Kerala 12895
Lepidophylliopsis: Mexico 13954
Leptastacus jenneri: ANW, USA, North Carolina 8252
Leptochela 11670
Leptoconus gerranti: ASE, Senegal 6103
Leptolaimus pocillus: ASE, France, Banyuls-sur-mer 4834
Lethenteron meridionale: USA, Inland waters 11764
Leucicorus atlanticus: ASW 6228
Leucocarpopsis devensis: British Isles, Wales, Merioneth, Dee R., Corwen 11485
Lichomolgium tupuhiae: PSE, New Zealand 1444
Lichomolgus eganae: PSE, Australia, New South Wales 3951
Limatula: ANE, Jan Mayen 11590
Limnesia inga: Australia 1479
Limnesia maceripalpis: Australia 1479
Limnolahalacarus lanae: Java, Ranu Lamongan 9330
Longusorbis cuniculosus: Canada, British Columbia 2669
Lopadorhynchus indica: ISW 10377
Lumbricillus macrothecatus: ANE, Iceland 10385
Lumbriculus olgae: USSR, Chuckchee Pen. 11548
Lycodes sagittarius: PN 2783
Lyria mallicki: ISEW, New Caledonia 6087
Lyria santonensis: ISEW, New Caledonia 6087

- Lyrodiscus skertchlyi*: British Isles, Suffolk, Icklingham 12514
Lyssianassidae hironellea: INE, Aleutian Trench 3832
Macgeopsis sonorensis: Mexico 13954
Macrochaeta australiensis: PSE, Australia 9191
Macrochiridothea marcusii: ASW, Brazil 4945
Macrocotyla lewisi: USA 165
Macrolabrum: ISW 11668
Macroseta rarissetis: ANE, Norway 1362
Macrostomum amaniense: Tanzania 10386
Macrostomum baringoense: Kenya 10386
Macrostomum christinae: Kenya 10386
Macrostomum coxi: Kenya 10386
Macrostomum georgeense: Uganda 10386
Macrostomum nairobiense: Kenya 10386
Macrostomum reynoldsoni: Kenya 10386
Macrostomum sinyaense: Kenya 10386
Macrostomum thingithuense: Kenya 10386
Macruropus pulchellus: ISE, Chile 1494
Maedlerisphaera arabica: Iraq 13949
Mallomonas transsylvanica: Romania 5984
Mallomonas trummenensis: Sweden, Trummen L. 8101
Manningia andamanensis: ISW, Andaman Is. 1047
Mansariella lacustris: India, Jammu, Mansar L. 10375
Meiosquilla barnardi: PSW, South Africa Rep. 1427
Mesocletoles: ASE, Lyon Gulf 4972
Metacnephia amphora: British Isles 245
Metalinhomoeus torosus: ASW, Bermuda, Tucker's Town Cove 11564
Metaxymolgus echinasteris: ISEW, New Caledonia 11669
Microgramma biportalis: ASW, USA, Alabama, Mobile Bay 161
Microphallus brevatus 72 *Hydrobia ventrosa*: ASE, France 8138
Microschemobrycon meyburchi: Brazil, Xeriuini R. 5036
Mimocalanus brodskii: ASE, Mediterranean 4968
Moelleria antarctica 4769
Mollusca: ISE, Pitcairn Is. 6097
Mollusca: PSW, South Africa 6088
Mollusca: PSW, South Africa Rep. 9242
Monomorphichnus multilineatus: USA, California 10105
Monotosporella tuberculata: Hungary 9105
Monstrilla papilliremis: PSW, South Africa Rep. 3969
Monstrilloida 4942
Mopsea: ISW, Australia, Western Australia 8136
Mugil longicauda: ASW, Cuba, Nipe Bay 9373
Munida babai: PSW, South Africa Rep, Natal 12893
Muraenichthys lingowenah: PSE, Tasmania 5011
Mustelus whitneyi: ISE, Peru 12954
Myozona: ISE, Galapagos 3884
Myriapora buglei 1143
Myxidium boddaeritii: India, West Bengal, Sundarbans 13303
Myxilla: INW, Japan, Shikoku, Anan 2572
Myxobilatus yukonensis: Canada, Inland waters 4818
Myxodagnus opercularis: I, Pacific 7249
Myxodagnus walkeri: I, Pacific 7249
Nannocandona stygia: Poland 12879
Nannostomus marilynae 2789
Nanochromis gabonicus: Gabon Rep. 3997
Narcissia gracilis: ISE, Columbia, Malpelo Is. 2567
Natica kanakoffi: INE, USA, Oregon 6102
Nauphiicola kenyensis: Kenya, Tsavo National Park, Tsavo R. 12792
Navicula fucicola: ANE, Norway 2511
Navicula hongkongensis: Hong Kong 12742
Nematopsis 7479
Neochromadora paratecta: ANE, North Sea, Sylt 3876
Neodeuterotharix prichardae: Colombia 9659
Neoglyphea inopinata: ISEW, Philippines 6133
Neomenia yamamotoi: INW, Japan 8209
Neoscolex macer: USSR, Chuckchee Pen. 11548
Neotanais: ANW, USA, Massachusetts 6152
Nepomorpha: Guyana 2734
Neumania gila: Australia 1479
Neverita lamonae: INE, USA, Oregon 6102
Nitocrella ioneli: Morocco, Ziz R. 3947
Nitrosococcus mobilis: ANE, Germany, F.R., Husum Harbour 11445
Nitrosomonas: USSR, Kamchatka, Inland waters 10273
Noodtiella enertha: ANW, USA, North Carolina 8252
Nothooidium 9127, 12069
Notonemouridae: Australia 3981
Notothenia loesha: PSE 11767
Notothenia nybelini: PSW 11767
Notothenia tchizh: PSE 11767
Nucula fernandensis: PSW, Tuan Fernandez Is. 1398
Nybelinella brevidorsalis: ISW 11769
Nybelinia basimegacantha: ISE, Hawaii 7145
Odontophora bermudensis: ASW, Bermuda, Tucker's Town Cove 11564
Oedogonium: Bangladesh 9116
Oligopogonium 9127, 12069
Omobranchus meniscus 2788
Omobranchus steinitzi 2788
Omobranchus verticalis 2788
Oncaea neobscura: ASE, France, Banyuls-sur-mer 4962
Onchnesoma intermedium: ISEW, East China Sea 11565
Opecoelidae: ISW, Bay of Bengal 9194
Ophiacantha brasiliensis: ASW, Brazil 3863
Ophiacantha savagica: ISE, Peru-Chile Trench 12808
Ophiactis lebuensis: Chile, Troncal R. 6026
Ophioleptoplax brasiliensis: ASW, Brazil 3863
Ophiomastus bulfonica: ISE, Peru-Chile Trench 12808
Ophiomastus satelliae: ASW, Brazil 3863
Ophiomusium anaelisae: ASW, Brazil 3863
Ophiothamnus dupla: ISE, Peru-Chile Trench 12808
Ophoerinus barracoughi: ISE, Peru-Chile Trench 12808
Ophryotrocha diadema: INE, USA, California 11562
Ophryotrocha longidentata: ANE, Sweden 1365
Oratosquilla jakartensis: ISEW, Java 7207
Orconectes deanae: USA, New Mexico, Conchas L. 3966
Orthopristis goodyi: France, Ile de France, Auvers 4580
Ostracoda: PS, Antarctica 3962
Ostracoda: PSW, South Africa Rep. 8916
Ostracoda: South West Africa, Luederitz Bay 6043
Otoplanidae: ISE, Galapagos 3870
Ozarkodina optima: World Zoogeographic Regions 8511
Pagurus 2663

- Agurinus geminus*: INW, Japan 6137
Alpheogammarus danicus: ANE, Baltic 2694
Andaka trimaculata: INW, Japan, Okinawa Prefecture 9364
Appomonas virgulosa: ANW, Greenland 6027
Paracalliactis rosea: PSE, New Zealand 7148
Paracalliope larai: Tasmania, Dip River 4954
Paradixamine fraudatrix: INW, Japan Sea 11672
Paradistigmoides kenyensis: Kenya, Tsavo National Park, Tsavo R. 12792
Paramolgus: ASW, Curacao 2698
Paramphiascopsis triarticulus: ANE, Isle of Man 7206
Paraperis gushikeni: ISEW, Ryu-kyu Is. 7272
Paraphysomonas bandaiensis: Japan 9123
Paraphysomonas inconspicua: Japan 9123
Paraphysomonas sideriophora: ANE, Denmark 1297
Parasthenelia reducta: ASE, Black Sea 4971
Parasymphylodora manteri: Uganda, Victoria L. 10382
Paratanytarsus: British Isles, England, Essex 4423
Parathalestris plumiseta: ANE, Isle of Man 4951
Paravansula vermiformis: ANE, Isle of Man 4951
Paronychocamptus wilsoni 8265
Pavastehphyllum stehui: Tunisia 1354
Pavastehphyllum tunesium: Tunisia 1354
Pavlova calceolata: ANE, British Isles, Tamar Estuary 5976
Pelecyopoda: ISW, Andaman Is., Port Blair 4913
Pelecyopoda: ISW, India, Visakhapatnam 4913
Peloscocleus amplivasatus: ANE, Norway 1362
Peneaopsis balsii: ISW, Africa 11665
Perissodus eccentricus: Africa, Tanganyika L. 7247
Petroglossus undulatum: ANW, North Carolina, Onston Bay 9134
Peyssonnelia: ASE, Mediterranean 10295
Peyssonnelia crispata: ASE, France 7102
Peyssonnelia rosa-marina 7099
Phagocata fawcetti: USA, California, Santa Barbara 4805
Phascolion temporariae: PSE, New Zealand 9186
Phascolion tortum: PSE, New Zealand 9186
Philometroides huronensis 8589
Pholoe swedmarki: ASW, Atlantic 8144
Phthanoperidiniaceae: ISW, Persian Gulf 8103
Phya spelunca: USA, Wyoming 4900
Pilum pilum: USA, Georgia 7146
Pinnixa perornata: Barbados 8262
Pisces: Amazon R. 1520
Pisces: ASW, Caribbean 1520
Pisulamia 6091
Placentophora: PSE, New Zealand 10301
Planctanthias longifilis: ASE 9382
Platymicrocythere 1445
Platysympus japonicus: INW, Japan 7372
Pleuronema puytoraci 2559
Pleurotomaria atlanticus: ASW, Brazil, San Sebastian Isl. 8203
Pleurotomella bathyiberica: ANE, Iberian Deep-Sea Basin 11616
Poecilia: Mexico, Inland waters 4006
Poeciliidae: Mexico 8350
Poeciliopsis: Mexico, Inland waters 4006
Polinices hacketti: ISE, Galapagos 6102
Polychaeta: ASE, Ivory Coast 8146
Polycystis contorta: ASE, Mediterranean 1366
Polydora guillei: ASE, Mediterranean 4840
Polysiphonia kieliana: ANE, Baltic 4765
Polystyliphora darwini: ISE, Galapagos 3872
Polysyncrator haranti: ASE, France, Banyuls-sur-mer 5108
Pomachromis guamensis: ISEW, Marianas, Guam, Tanguisson Point 2775
Pomponema syltense: ANE, North Sea, Sylt 3876
Pontogeneia padinae 2471
Porphyra brumalis 11494
Porrocaecum caballeri: ISE, Mexico 156
Portunus suborbicularis: ISEW 2699
Potamonectes resslis: Iran 10532
Prasopora richmondensis: Canada, Ontario, Toronto 12517
Procambarus brazoriensis: USA, Texas, Brazos R. 3964
Procambarus curdi: USA, Arkansas 3967
Procambarus erythropus: USA, Florida 3965
Prochistianaella micracantha: ISE, Hawaii 7145
Prochondracanthus platycephali: PSE, New Zealand 7482
Projasus bahamondei: PSW, Chile 6138
Pronocephalidae: ISW, India 9193
Prosobranchiata: ISE, Chile 6089
Prosobranchiata: PSW, Chile 6089
Prosthecochloris phaeoasteroidea 12730
Prosthiosomum katio: ISE, Hawaii 11563
Prosthiosomum montiporae: ISE, Hawaii 11563
Prostoma kolasai 8137
Proteocephalus buplanensis 8157
Psammonacrostomum turbanelloides: ANE, Baltic 152
Psammotreta elouardi: ASE, Senegal 8201
Psettarioides kurochkini: ASW, Brazil, Salvador 10368
Pseudobradia psammophila: ASE, France, Banyuls-sur-mer 4963
Pseudobradia soyeri: ASE, France, Banyuls-sur-mer 4963
Pseudocella platonovae: PNW, White Sea 4844
Pseudochromis dilectus: ISW 7264
Pseudochromis flammicauda 5029
Pseudochromis paranox 5029
Pseudogrillotia basipunctata: ISE, Hawaii 7145
Pseudoguembelina costellifera: USA, Alabama 9183
Pseudoguembelina polypleura: USA, Alabama 9183
Pseudoleptomesochrella bisetosa: ANW, USA, North Carolina 8252
Pseudomonas magnesiiorubra: ISW, India 10278
Pseudopsolus macquariensis: PSE, Kerguelen Is. 1343
Pseudoscourfieldia marine 4808
Pseudosimnia nielsenii: ISEW, Australia, Queensland, Keppel Bay 11162
Pseudotreboxia 10305
Pseudotropheus tursio: Africa, Malawi L. 5039
Pseudotropheus U-1: Africa, Malawi L. 5040
Pseudovorticella 4829
Pseudovorticella difficilis 4829
Pseudovorticella sphagni 4829
Pseuduvella heterotricha 8105

- Psiloria*: Israel, Negev 10106
Psyllocamptus carolinensis: ANW, USA, North Carolina 8252
Pterobothrium hawaiiensis: ISE, Hawaii 7145
Pustularia maricola: ISEW, Philippines, Marinduque I. 11162
Pyramidospora herculiformis: Sierra Leone, Inland waters 5957
Quadricornoides: ISEW, Great Barrier Reef 10366
Raja velezi: ISE, Peru 12954
Rana magnaocularis: Mexico 10665
Raphidascaroides blochii: ISW, Bangladesh 9189
Rhabdochona: Pakistan 7151
Rhabdochona chanawanensis: ISW, Pakistan 12805
Rhacodiptomus: America, Amazon R. 6130
Rhamphidontia: INE, Canada, British Columbia, Vancouver I. 11608
Rhaphostomellina posidoniae: ASE, Aegean 8141
Rhaphidascaroides blochii: ISW, Pakistan 12804
Rhinopterica megacantha: ANW, USA, Virginia 6032
Rhithrogena brodskyi 9328
Rhizophyllum brachiatum: PSE, Australia, New South Wales 7152
Rhodophysemma feldmannii: ANE, France 12745
Rhodophysemopsis laminariae: INW, Japan, Hokkaido, Hanasaki 12751
Rhodopsudomonas sphaeroides 11446
Rhynchodoras woodsi: Ecuador, Amazon R. 7250
Rhynchorhamphus malabaricus: ISW, India 7246
Rhynchorhamphus naga: ISW, Thailand 7246
Ridgewayia fosshageni: ASW, Panama 219
Rouxia: I, Pacific 2501
Rowardleus pennensis: USA, Pennsylvania, Susquehanna R. 8156
Rugosa: Australia, New South Wales 10107
Rusophycus radwanskii: USA, California 10105
Rutiderma leloeffii: ASE, Ivory Coast 2691
Sagitta guileri: PSE, Tasmania, D'Entrecasteaux Channel 4843
Salpingoeca minor: PNW, Barents Sea 9121
Scandia tubithecra: ISW, Seychelles 9173
Scardium bostjani: Nepal 3861
Scenedesmus trainorii 10308
Schackoina sellaeforma: USA, Alabama 9183
Schikhobalotrema magnum: ASW, USA, Florida 1762
Schizoretephora calveti 1143
Schottera nicaeensis: ANE, British Isles 1298
Scina wagleri: ASE, Canary Is., Fuertaventura 6148
Scissurella alexandrei: ASW, Brazil, Sao Paulo 4876
Scissurella electilis: ASW, Brazil, Sao Paulo 4876
Scissurella morretesi: ASW, Brazil, Sao Paulo 4876
Sclerocypris indica: India, Rajasthan Desert 2681
Sclerocypris rajasthanensis: India, Rajasthan Desert 2681
Scorpaena pele: ISE, Hawaii 1521
Scorpaenopsis brevifrons: ISE, Hawaii 1521
Searsiidae: ASE 11738
Searsiidae: I, Pacific 11739
Serolis inermis: ASW, Brazil 4063
Serolis mirabilis: ASW, Brazil 11662
Serolis similis: ASW, Brazil 4062
Serolis tropica: ISE, Panama 4950
Siboglinum: ISEW, Molucca Isl. 2848
Siderocapsa hexagonata 4750
Siderocapsa quadrata 4750
Simuliidae: USSR 9320
Sladenia: ASW, Caribbean 7245
Soleichthys siamnakuti: ISEW, Thailand Gulf 2786
Spaleroantis marina 9124
Sphaerolaimus: ASE, Balearic Sea 1368
Spiculata bijuri: ASW, Florida, Key West 11162
Spinitectus: Pakistan 7151
Spinitectus seenghalai: ISW, Pakistan 12805
Spirocamallanus: Pakistan 7151
Spirocamallanus crossorhombi: ISW, Pakistan 12805
Sporozoa: ASE, France, Villefranche-sur-Mer 5289
Squalonchotyle berlandi: AN, Greenland 7147
Stellicola novaecaledoniae: ISEW, New Caledonia 11669
Stellicola parvulipes: ISEW, New Caledonia 11669
Stenopus zanzibaricus: ISW, Tanzania 12894
Stephanopogon mobilensis: ASW, USA, Alabama, Mobile Bay 161
Stephanostomum davisii: AN, Greenland 7147
Storhyngura magnifica: AN 10478
Stromateus brailloni: France, Ile de France, Auvers 4580
Strombus fasciatus: ISW, Aden Gulf 8202
Suneurycope monicae 1436
Synalpheus bannerorum: ISE, Columbia, Malpelo Isl. 2659
Synalpheus echinus 2685
Synalpheus harpagatrus 2685
Synalpheus quadriarticulatus 2685
Synalpheus tropidodactylus 2685
Syncrypta glomifera 5970
Synechocystis didemni 10307
Synherthrops truncata: I, Pacific 1446
Syneurycope dageti 1436
Syngnathus darrosanus: ISW, Amirantes Is. 9374
Synidotea litorea: ASW, Brazil 8251
Synidotea littoralis: ASW, Brazil 8251
Talismania grandisquamis: ASE, Africa 9377
Tamaria stria: ISE, Columbia, Malpelo Is. 2567
Telegamatrix: ISEW, South China Sea 10367
Tenagobia schreiberi: Brazil, Minas Gerais, Diamantina, Cristais 2729
Terebra lilliana: ISW, Mozambique Channel 11620
Tetractitella hyastina: ISEW, Philippines 1447
Tetragonocephalon luitianus: ISEW, Arafura Sea 7202
Tetraodon fluviatilis 2757
Thalamita holthuisi: ISEW 2699
Thalamita koepangensis: ISEW 2699
Thalamita platypenis: ISEW 2699
Thalassema liliae: ASW, Brazil, Ilha Grande 4811
Thalassiosira 7091
Tharyx luticastellus: INE 3907
Thaumastopanax intermedius: Trinidad 8262
Thecamoebidae: ANW, USA, Virginia 164
Theodoria madeni: ISE, Peru-Chile Trench 12808
Thielavia pseudomaritima: USA, Wyoming 4748
Thiomicrospira denitrificans 8081

- Thyone pawsoni*: ASW 4810
Tilapia: Zambia, Luongo River 5017
Tomopagurus macLaughlinae: ISE, Galapagos 7203
Trachyrhynchus villegai: ISE, Chile 1494
Transkeithynella paradoxa: PSW, South Africa 9276
Transvaalthynella coineau: PSW, South Africa 9276
Trebouxia 10305
Tretiatosia: Israel, Negev 10106
Treubariaceae 11488
Trichosphaerium platyxyrum: ISEW, Great Barrier Reef 11557
Trigonostominae: ISE, Galapagos 3873
Trileptium otti: ASW, Bermuda, Tucker's Town Cove 11564
Trilobita: British Isles, Ayrshire, Girvan 13957
Tripterygion atlanticus: ANE, English Channel 1507
Tripyla dybowskyi: USSR, Baikal L. 10363
Tripyla subterranea: USSR, Issyk-Kul' L. 10363
Trizopagurus hawaiiensis: ISE, Hawaii 6150
Trunculumarium 9127, 12069
Trypanosoma pseudopodium: USA, Michigan, McCormick Experimental Forest 7144
Tubifex litoralis: ANE, Iceland 10385
Turbellaria: ANE, Norway 11566
Turbellaria: ASW, USA 11566
Typhloplanidae: ANE, North Sea, Sylt Isl. 3887
Typhlopolycystis coomansi: ASE, Mediterranean 1366
Udichna: South Africa 11762
Unibrachium: ISEW, Molucca Isl. 2848
Unicapsula pflugfelderi: ASE, Mediterranean 10383
Unionicola lundbladi: Australia 1479
Uralinella: USSR, Tadzhikistan 2558
Urochordata: ISEW, Okinawa 9450
Urocleidus nactus: USA, North Carolina 6034
Vannuccia hastata: ISE, Galapagos 3872
Vannuccia talea: ISE, Galapagos 3872
Varicosporium splendens: Malaysia 2505
Villosacapsula 9127
Volvatella viridis: INW, Japan, Amami Is., Yoron I. 10440
Walliserodus: USA, Illinois 10103
Wattisia mossambica: ISW, Hong Kong 12953
Voloszyńska stochii: India 5983
Zanlea prolifera: INW, Japan 12809
Zemira australis 4881
Zeylanema: Pakistan 7151
Zeylanema barragi: ISW, Pakistan 12805
Zeylanodiaptomus papilopedis: Sri Lanka 6143
Zoila perlae: ISW, Australia, Western Australia 2629
 Abyssal zone: *Abyssotrema pritchardae*: AN 1355
 Anatomy: PSW, Chile 3885
 Evolution: *Macandrevia africana*: ASE, Angola 1832
 Evolution: *Macandrevia bayeri*: ASE, Angola 1832
 Geographical distribution: *Phalodrilus hallae*: America, Superior L. 159
 Morphology: *Copepoda*: PSW, Chile 1439
 Morphology: *Psidium hinzi*: Sweden 1397
 Morphology (organisms): *Parapenaopsis styliifera*: India, Cochin 1442
 Palaeontology: *Timiriasevia digitalis*: India 2244
 Parasites: *Alloglossidium renale Palaemonetes kadiakensis* 168
 Parasites: *Ascarophis ayalai Arius liropus*: Mexico 1345
 Parasites: *Colacium libellae* 1309
 Parasites: *Orbolotyle marplatensis Prionotus*: PSW, Argentina 1342
 Parasites: *Rhabdochona kisutchi Oncorhynchus kisutch*: Canada, British Columbia 160
 Plankton: USSR, Ukraine 2245
 Taxonomy: *Clydonella vivax* 167
 Taxonomy: *Greeffiiellinae* 170
 Taxonomy: *Mesovelvia halirrhya*: ISE, Costa Rica 1477
 Taxonomy: *Protozoa*: ASW, USA, Alabama, Mobile Bay 161
 Taxonomy: *Rheumatobates prostatus*: ISE, Costa Rica 1477
 Taxonomy: *Speovelia mexicana*: ISE, Mexico 1477
Nickel,
 USA, Hudson R. 7642
Paramecium 2591
Nitrates,
 4644, 8981, 11347, 12567
 ISE, Galapagos Is., Bahia Darwin 12611
 Algae 10348
 Bacteria: ANE, Belgium, Ostend 5913
Callitriche hamulata 3852
Chlorella fusca 7129
Ictalurus punctatus 13442
Skeletonema costatum: ANW, Hudson Bay 13174
 Water analysis: New Zealand, Inland waters 1170
Nitrites,
 12469
 INW 10174, 12617
Ictalurus punctatus 13442
Methanobacterium thermoautotrophicum 12695
Nitrogen,
 3736, 6922, 6980, 8703, 12278
 ANE, Baltic 7605, 9062
 ANE, Iceland 2350
 ANW, USA, Massachusetts 7654
 ANW, USA, New York 3742
 ANW, USA, North Carolina, Pamlico R. Estuary 2380
 ASE, Lyon Gulf 4675
 British Isles 6727
 Canada, Ontario, Canadian Shield 9006
 Germany, Fed. Rep., Weser R. 5513
 India, Tamilnadu 12612
 INW, Japan 13496
 IS, Pacific 3131
 Poland, Kortowskie L. 11365
Acetabularia mediterranea 9154
 Algae 7436
Anabaena cylindrica 5998, 11513
Anabaenopsis circularis 5997
Arctophylla fulva: Alaska 7439
Bacillariophyceae 9630
Brevoortia tyrannus 7700
Carex aquatilis: Alaska 7439
Chlamydomonas eugametos: USA, Connecticut, Willimantic R. 10322
Copepoda: ANE, Kiel Bight 9685

Cyanophyta: ASE, France, Thau Basin 11466
Lymnaea stagnalis 4931
Mopalia muscosa 8247
Phaeodactylum tricornutum 9155
Seriola quinqueradiata 13900
Skeletonema costatum 7423
Zalerion maritimum 10800
 Assimilation: *Fontinalis antipyretica* 1322

Nitrogen compounds,

Germany, F.R., Gain R. 4296
 Germany, F.R., Starnberger L. 4296

Nitrogen cycle,

5924, 8676, 8682, 9995, 12216, 13388, 13405
 Africa coasts 10922
 America, Erie L. 9013
 ANE, Baltic 9715
 ANW 11363
 ANW, USA, North Carolina, Pamlico R. 9789
 Canada, Ontario, Inland waters 8678
 INE 2369
 INW 10174, 12617
 IS, Cromwell Current 3131
 IS, Pacific 3131
 PSE, Australia, New South Wales, Port Hacking 7000
 Uganda, Lake George 4234
 USA, Wisconsin, Mendota L. 8677
 USA, Wisconsin, Wingra L. 8680
Algae 3157
Algae: USA, California 5395
Anabaena cylindrica 4259, 11455
Azolla 6618
Azotobacter: ASW, USA, Florida 10976
Bacteria 12269
Bacteria: ANE, Belgium, Ostend 5913
Bacteria: ISW, Red Sea 12729
Chlorella fusca 12761
Chlorella vulgaris 5413
Cyanophyceae: ANE, British Isles 9782
Myxophyceae 11507
Nitrobacter agilis: ISEW, Marshall Is., Eniwetok 2465
Nostoc: USA, California 5396
Nostoc muscorum 12762
Oscillatoria 7130
Phumtella fungosa 8767
 Aeration 1172
 Microorganisms: ISE, Hawaii 477

Nodules,

5795, 5934, 7045, 11402, 11428, 13947
 IN 3820
 ISE, Cook Is., Rarotonga 7057
 2443

Nomenclature,

Eucampia balaustium 4769
Glaucoma 4830
Laophonte capillata 8265
Lichia 2762
Moelleria antarctica 4769
Paronychocamptus 8265

Noxious organisms,

Cubomedusae: World Tropical Regions, Oceans 5818

Pelamis platurus: ISE, Costa Rica 8420
Sebastes: INE, USA, California 10138
Selachii: Australia coasts 4639
Vibrio parahaemolyticus: PSW, South Africa 2217
 Guiding devices: *Chrysaura quinquecirrha*: ANW,
 Chesapeake Bay 45
 Underwater research vessels: *Xiphias gladius*: ASW,
 Blake Plateau 1697

Nuclear energy,

7063, 11011, 11051, 11123
 ANW, USA, Massachusetts 7697
 ANW, USA, New Jersey 4389
 ANW, USA, Rhode Island 11125, 11141
 ASE, France, Port-la-Nouvelle 3168
Gastropoda: Canada, Gentilly, St. Lawrence R. 7748

Nucleic acids,

Achlya 11452
Blastocladiella emersonii 4751
Ceramium 12214
Copepoda 4185
Mystus vittatus 11793
Pisces 10629
Rhithropanopeus harrisii 4993
Scenedesmus acutus 3127
 Embryos: *Ilyanassa obsoleta* 2642

Numerical analysis,

7001, 7568, 7990, 7998, 8009, 8902, 8904, 9017, 9018,
 9704, 9913, 12606, 12623, 12671, 12675, 12676
 Germany, F.R., Inland waters 8903
 ISEW, Java, Sunda Shelf 7019
 PSE, New Zealand 9053
 USA, New York, Chautauqua L. 13938
Macrognathus aculeatus 10567
Roccus americanus: America, Ontario L. 13230
Salmo 13943
 Oceanographic data 40

Nursery grounds,

Glyptocephalus cynoglossus: ANW, USA, Virginia 2174
Merluccius merluccius: ASE, Biscay Bay 13768
Penaeus plebejus: ISEW, Australia, Queensland 5165
 Ecosystems: *Cheilodactylus macropterus*: PSE, New
 Zealand 1900

Nursery ponds,

Cirrhinia mrigala 13690
Labeo rohita 13690

Nutrient cycles,

11358, 12721
 America, Erie L. 9013
 ANE, Baltic 9715
 ANW, USA, Maine Gulf 7584
 ANW, USA, Massachusetts, Buzzards Bay 9793
 ANW, USA, North Carolina, Beaufort 9795
 ANW, USA, North Carolina, Pamlico R. 9789
 ANW, USA, South Carolina 9790
 ASW, USA, Florida 9691
 ASW, USA, Georgia 9790
 ASW, USA, Texas, Lavaca Bay 4258
 British Isles, Ewe L. 9787
 INE, Canada, British Columbia, Vancouver I. 5892
 INE, USA, California 9019

- INE, USA, California, La Jolla 10999
 INE, USA, San Francisco Bay 9785
 ISE, Peru 9794
 Phoenix Is., Canton I. 3449
Algae 7436
Bacteria 4797
Bacteria: Italy, Faro L. 11346
Monochrysis lutheri 12390
Thalassia testudinum: ASW, USA, Florida 9764
Typha domingensis: Africa, Malawi, Lake Chilwa 7349
 Production (biological): *Algae*: PSE, New Zealand 1917
- Nutrient deficiency,**
Algae 8661
Asterionella formosa 13353
Ictalurus punctatus 13625
Skeletonema costatum 10852
- Nutrients (mineral),**
 5349, 5390, 6676, 7993, 8703, 8723, 10221, 11173, 12068
 America, Erie L. 8997, 9013, 9070, 9772
 ANE, Finland Gulf 4204
 ANE, Kiel Bight 10173
 ANW, St.Lawrence Estuary 13397
 ANW, St.Lawrence Gulf 12620
 ANW, USA, North Carolina, Pamlico R.Estuary 2380
 ASE, France, Bages-Sigean 4726
 ASE, Greece, Saronikos Gulf 3280
 ASE, Lebanon 3277
 ASE, Morocco 12579
 Australia, Mulwala L. 10217
 British Isles, England, Frome R. 5856
 British Isles, Shropshire 3814
 British Isles, Wales 8054
 Canada, British Columbia 3730
 Canada, British Columbia, Lakes 13399
 Canada, Erie L. 9011
 Canada, Labrador Lakes 4237
 Canada, Ontario, Holland R. 3735
 Canada, Ontario, Lake Simcoe 3735
 Germany, D.R. 4728
 Germany D.R., Mecklenburg 7980
 I, Pacific 2366
 INE, USA, California 9808
 IS, Pacific 3131
 ISE 3108
 ISE, Peru 7581
 ISEW, Hong Kong, Deep Bay 12582
 ISEW, Hong Kong, Tolo Harbour 13432
 ISEW, Taiwan 10157
 Italy, Lungo Lagoon 11367
 Sweden 4204
 Uganda, George L. 4669, 7976
 USA, Iowa, Inland waters 7006
 USA, Minnesota, Marcell Experimental Forest 7979
 USA, Utah, Great Salt L. 10970
Acinetobacter 9104
Algae: Tasmania, Inland waters 10163
Bacteria 13243, 13244
Bacteria: USA, South Carolina, Savannah R. 7404
Callitriche hamulata 3852
Crassostrea virginica 5256, 9889
Cyprinidae 13636
Cyprinus carpio 10830
Daphnia 10469
Eichhornia crassipes 6582, 7577
Labeo rohita 13693
Lucifer: ASW, Brazil 4184
Mercenaria mercenaria 9889
Peridinium bipes 6490
Ranunculus penicillatus: British Isles, Lee R. 8114
Salmonidae 13636
Scenedesmus 11474
Selenastrum capricornutum 10289
Skeletonema costatum 10852
Spaherocystis schroeteri 13361
Spartina alterniflora: ASW, USA, Louisiana, Barataria Bay 7582
Teleostei: USA, Illinois 13638
Thalassiosira fluviatilis 5259
Trichodesmium 5965
 Growth: *Chlorella minutissima* 928
 Rivers: America, Susquehanna R. 2014
 Trophic levels 486
- Nutrition,**
Algae 7440
Amphipoda: PSW, South Orkneys 6488
Anemonia sulcata 9620
Artemia salina 9632
Bacteria 5266
Bacteria: PSW, South Africa, Swartveli 13269
Cerianthus iloydi 9628
Conopeum tenuissimum: ANE, Chesapeake Bay 9627
Corynebacterium autotrophicum 5960
Crustacea: ASE, Western Sahara 9688
Mytilus edulis 10020
Oncorhynchus kisutch 5599
Palpopleura lucia 5263
Perca fluviatilis 2991
Phyllaplysia taylori: INE, USA 4925
Physeter catodon 13210
Salmo gairdneri 12348
Scophthalmus maximus 7443
Terebratalia transversa 10846
Tilapia rendalli 13268
Tubifex tubifex 2990
 Farm ponds: *Ardea cinerea*: Germany, F.R., Bavaria 2106
 Farm ponds: *Cyprinus carpio*: Germany, F.R., Bavaria 2106
- Nutritional requirements,**
 13605
Acanthaster planci 10779
Actinopterygii 9641
Algae 11004
Anabaena variabilis 2538
Anguilla anguilla 13616
Artemia salina 379
Bacteria 13243, 13244
Bacteria: ANE, Germany, Fed.Rep., Kiel Fjord 2988
Bacteria: ASE, Mediterranean 10840
Bankia australis 5416
Biomphalaria pfeifferi 10453
Cancer magister 8281

- Copepoda*: ISE 3137
Cyprinidae 13636
Cyprinus carpio 10830
Dugesia polychroa: ANW, Canada, Toronto 5248
Euchaeta japonica 10837
Gastropoda 11631
Glenodinium 7446
Homarus americanus 13716
Hydrobia ventrosa 5251
Ictalurus 12359
Ictalurus punctatus 13625
Macrobrachium rosenbergii 12379, 13733
Morone saxatilis 5267
Mytilus californianus: INE, USA, California, Trinidad Bay 8583
Nitzschia angularis 13260
Odontobutis obscurus 4154
Ophiocephalus striatus 8572
Pediastrum duplex 12769
Penaeus aztecus 13207
Penaeus indicus 12380
Penaeus japonicus 13236, 13245, 13738
Pisces 13237, 13664
Pisces: Philippines 13622
Polysiphonia urceolata 2992
Prasinophyceae 4791
Rhabditis marina 8530
Rhithropanopeus harrisi 4992
Salmo gairdneri 2986, 7822, 11177, 13629
Salmo gairdneri: USSR 7808
Salmo salar 10853
Salmo trutta 4140
Salmonidae 13636
Scophthalmus maximus 10017, 13669
Tetrahymena pyriformis 8187
Thalassiosira 5260
Tilapia aurea: El Salvador 9998
Tilapia mossambica 11972
Uca pugnator 12381
Verruca stroemia 4975
Amino acids: *Chrysophrys aurata* 872
Amino acids: *Salmonidae* 872
Artificial feeding: *Chrysophrys aurata* 872
Artificial feeding: *Dicentrarchus labrax* 871
Carbon: *Eurytemora affinis*: ANW, USA, Maryland, Patuxent R. Estuary 3125
Fats: *Dicentrarchus labrax* 871
Feeds: *Salmo gairdneri* 2096
Fish larvae 849
Fish larvae: *Scophthalmus maximus* 869
Fish larvae: *Solea solea* 868
Growth: *Gymnodinium breve* 443
Growth regulators: *Chaetoceros gracilis*: ISE 191
Juveniles: *Homarus americanus* 1740
Larvae: *Pisces* 390
Metabolism: *Oncorhynchus* 391
Metabolism: *Salmo* 391
Phosphorus: *Chlorella vulgaris* 1680
Population dynamics: *Simuliidae*: Germany, Fed. Rep., Baden-Wuerttemberg, Mettma R. 423
Proteins: *Chrysophrys aurata* 872
Proteins: *Dicentrarchus labrax* 871
Proteins: *Salmonidae* 872
Nutritive value,
ASE, Yugoslavia, Kastela Bay 6551
Coregonus: USSR, Inland waters 6821
Euphausia superba 13249, 13875
Gasterosteus aculeatus 7234
Mytilidae: Mauritania 13887
Pampus argenteus 13878
Pisces: I, Pacific 7877
Scomber scombrus 12485
Scombridae 3487
Teleostei 7234
Theragra chalcogramma 11258
Tisbe holothuriae 13213
Zostera marina: ISE, California Gulf 4469
Analytical techniques: *Algae* 1262
Artificial feeding: *Ictalurus nebulosus* 905
Canned products: *Scomber scombrus* 2185
Fish oils 3539
Invertebrates: Germany, Fed. Rep., Westphalia, Kottenforst-Ville 1910
Muscular system: *Selachiformes* 2186
Rivers: *Invertebrata*: Germany, F.R., Naturpark Kottenforst-Ville 9626
Nyctimeral rhythms,
ASW, Mexico 4199
Chaoborus 5210
Nitzschia longissima: ASW, Mexico 4198
Ocean dumping,
6670, 6733, 11048
ANE, British Isles, Cornwall 12403
ANW, Northwest Atlantic 6694
ANW, USA 4338, 4339
ASW, USA, Texas 3344
INE, USA, California 5509, 6751
INE, USA, California, Farallon Isl. 4387
ISEW, Guam, Toguan Bay 4404
ISEW, Guam, Tuanmokot Channel 4405
World ocean 5744
Continental shelf: ANW, USA, Middle Atlantic Bight 4337
Hydrography: ANW, USA, Middle Atlantic Bight 4337
Metals: *Arctica islandica*: ANW, USA 1964
Metals: *Placopecten magellanicus*: ANW, USA 1964
Plankton: ANW, USA, Middle Atlantic Bight 4337
Resource management 1127
Sediment analysis: ANW, USA, Middle Atlantic Bight 4337
1012
Water quality: ANW, USA, Middle Atlantic Bight 4337
Ocean floor,
2423, 3796, 3797, 3798, 5902, 11429, 13947
A, Mid-Atlantic Ridge 2436
ANW, Labrador Sea 8018
ANW, USA, New York 12705
I, Pacific 4672
ISW 10227
ISW, Red Sea 8020
PNW, Barents Sea 2425

SE, Southern Ocean 5909
Diatomaceae: INW, Japan Sea 4706
Thalassia testudinum: ANW, USA 11459
 Economics 1249
 Resource development 2232
 Submarine features: ISE, East Pacific 99

Oceanodromous migrations,
Anguilla: Poland, Marozka R. 13309
Merluccius merluccius: ASE, Tunisia 7487
Incorhynchus keta: INW 11893
Parophrys vetulus: INE, Puget Sound 9561
Penaeus plebejus: ISEW, Australia, Queensland 5164
Thunnus albacares: ASW, Brazil 11894

Oceanographic data,
 3645, 3757, 3774, 6920, 6928, 11296, 12594
 AN 1146
 ANE, Eire, Galway Bay 8082
 ANE, Norway 11353, 11354, 11355
 ANE, Norwegian coastal current 12668
 ANW 8991, 8992
 ANW, Labrador Current 4682
 ANW, St. Lawrence Gulf 12620
 ANW, St. Lawrence Gulf, Magdalen Shallows 12605
 ASE, France 10147
 ASE, Italy, Trieste 5886
 ASE, Mauritania 1141
 ASE, Mediterranean 2333
 ASW, Brazil 3681
 ASW, Brazil, Ilha Grande 4811
 France 12547
 NE 2341
 NE, Canada, Vancouver I. 12670
 NE, Howe Sound 2326, 2327, 2328, 2329
 NE, USA, California, San Pedro Bay 3724
 NE, USA, California, Torrey Pines Beach 12693
 NW 4648, 4651
 SE, Hawaii 11400
 SEW 4648
 SEW, Hong Kong 7052
 SEW, Taiwan 10156
 SW, Persian Gulf 5351
 PSW 8907
 World ocean 5896
 World Ocean 10123
 Meteorological data: ASW, USA, Florida 2330
 Salinity: I, Pacific 85
 Seasonal variations: ASE, Mauritania, Cap Blanc 1142
 Statistical analysis: I, Pacific 85
 Submarine data: ISEW, Bonin Is. 1147
 Water temperature: I, Pacific 85

Oceanographic equipment,
 3693, 4646, 5814, 5822, 5825, 5827, 5828, 5829, 5830,
 5832, 5833, 5835, 5836, 5838, 5845, 5860, 5901, 6956,
 6970, 6976, 7967, 8934, 8960, 8984, 10143, 11309, 12570,
 12573
 ANE, British Isles 8995
 ANW, St. Lawrence Gulf, Magdalen Shallows 12605
 ASE, Ligurian Sea 6971
 Mollusca 10265
 Books 1137

Oceanographic institutions,
 Canada, British Columbia, Patricia Bay 6942
 Japan, Tokyo 4592
 USA, Florida, Miami 16
 USA, Massachusetts 12618
 USA, Texas, College Station 6939
 Fishery organizations: Yugoslavia, Split 2277
 Radioactivity: Monaco 6947
 Research programmes: Canada 2257
 Research programmes: India, Goa 2252
 Research programmes: Netherlands, 't Horntje 2267
 Research programmes: Spain 20
 Research programmes: USA, California, La Jolla 18
 Research programmes: USA, Texas, College Station 17
 Research programmes: USA, Virginia 15
 Research programmes: USA, Washington, Seattle 19

Oceanographic surveys,
 ASE, African coast 12557

Oceanography,
 1091, 3662, 3700, 3705, 3706, 3727, 3750, 3752, 7937,
 10114, 10134, 10135, 12509, 12524, 12682
 AN 12590
 ANE 12589
 ANW, Canada 7975
 ANW, USA, New York Bight 6750
 ASE, Crete 7348
 ASE, Mauritania 12581
 ASE, Mediterranean 3804
 ASE, North-West Africa 4659, 7970
 ASW, Cuba 4577
 Germany, D.R. 6941
 IN 4660
 INE, California, California Undercurrent 11380
 ISE, Baja California, San Quintin Bay 4652
 ISE, California Gulf 5784
 ISE, Galapagos Is., Bahia Darwin 12611
 ISW 8989, 11373
 ISW, Arabian Sea 3738
 ISW, Persian Gulf 4612
 PN 12545
 PS, Antarctic Ocean 5881
 World ocean 3628, 3629
 World tropical regions 4645
 2249
 Oceanographic institutions: India, Goa 2252
 Research vessels: USA 1123

Offshore technology,
 3691, 5783, 5815, 5819, 6779, 7955, 7998, 8986, 11302,
 12167
 ANE, British Isles, Shetland 11135
 ANE, North Sea 12265
 ANW, USA 3818
 ANW, USA, New Jersey 5520, 5521
 ANW, USA, New York Bight 6750
 PN, Arctic 7953, 7954
 Research vessels: INE, USA, California, San Diego
 Bay 109

Oil industry,
 ANE, North Sea 5724

Oil pollution,

- 3211, 3244, 3281, 3324, 3325, 4268, 4275, 4333, 4381, 4382, 5442, 5459, 5480, 5481, 5487, 5510, 6644, 6713, 6742, 7622, 7623, 7624, 7625, 7626, 7627, 7635, 7637, 7639, 7717, 7737, 8719, 8729, 9822, 9823, 9824, 9826, 9827, 9828, 9835, 9843, 9844, 9908, 9909, 11016, 11026, 11116, 12167, 12168, 12174, 12179, 12181, 12189, 12198, 12209, 12264, 13493
- A, Atlantic 12193
- ANE, Baltic 4271, 12185
- ANE, British Isles, Shetland 11135
- ANE, English channel 11010
- ANE, North Sea 12265
- ANE, Norway 9859
- ANW, USA, Maine, Searsport 5473
- ANW, USA, Maryland, Chesapeake Bay 4280
- ANW, USA, Virginia, Plum Creek 12235
- ASE, Italy, Trieste 4326
- ASW, Caribbean 9820, 13455, 13455
- ASW, Mexico Gulf 9853
- INW 5457
- INW, Kuroshio Current 13433
- ISE, Baja California 5461
- ISE, Panama Gulf 13455
- ISEW 5457
- ISW, India, Gujarat 11045
- ISW, Kiltan Atoll 11044
- ISW, Laccadive Sea 11044
- Netherlands, Maas R. 12203
- Netherlands, Rhine R. 12203
- PN, Arctic 7713, 11069
- PSW, Magellan Strait 4306
- USA, New York, Buffalo R. 13416
- Algae* 3284, 11087, 12210, 12221, 12246
- Anguilla rostrata* 10072
- Artemia salina* 9862
- Aves*: ANE, Europe 3298
- Aves*: ANE, Norway, Utsira 5421
- Aves*: ASE, Europe 3298
- Bacteria* 9838
- Bacteria*: A, Atlantic 12266
- Bacteria*: ASE, Mediterranean, Gulf of Fos 8736
- Bivalvia* 3304
- Capitella capitata* 7712
- Chironomus dorsalis* 11060
- Chlorella vulgaris* 4130
- Crustacea* 5448, 12239
- Crustacea*: PN, Arctic 8687
- Cyprinus carpio* 11061
- Daphnia magna* 11059
- Fundulus heteroclitus* 9862
- Gammarus oceanicus* 13461
- Gammarus pulex* 11060
- Girella punctata* 10072
- Heliobaptomus viduus* 8770
- Leander adpersus*: ASE, Black Sea 12256
- Macoma balthica* 8773
- Mercenaria mercenaria*: ANW, USA, Rhode Is. 2652
- Mya arenaria* 3303
- Mya arenaria*: ANW, USA, Rhode Is. 2652
- Mylio australis*: ISEW, Australia, Queensland 7705
- Mytilus* 9876
- Mytilus edulis* 12244
- Mytilus galloprovincialis*: ASE, Black Sea 12256
- Neanthes arenaceodentata* 7712
- Pecten*: ANW, USA, Maine 4370
- Penicillium* 13426
- Phaeodactylum tricornutum* 9895
- Pimephales promelas* 9862
- Pisces* 12209
- Platichthys flesus* 3293
- Platichthys flesus*: ASE, Black Sea 12256
- Salmo irideus* 11061
- Salmo trutta* 11061
- Scenedesmus quadricauda* 11058
- Spartina* 4359
- Spicara smaris*: ASE, Black Sea 12256
- Aerial photography 548
- Aerial surveys: USA 517
- Airborne equipment 3195
- Atomic absorption spectroscopy 554
- Bacteria 3224
- Beaches 554
- Beaches: ASW, USA, Florida 2016
- Beaches: ASW, USA, Texas, Galveston I. 553, 577
- Bioaccumulation: *Invertebrata*: ISW, Red Sea 621
- Bioaccumulation: *Mugil*: ASW, Mexico Gulf 519
- Bioaccumulation: *Mya arenaria* 613
- Bioaccumulation: *Osteichthyes*: ISW, Red Sea 621
- Bioassays: *Mercenaria mercenaria*: ANW, USA, Massachusetts 516
- Bioassays: *Mercenaria mercenaria*: ANW, USA, Rhode Island 516
- Bioassays: *Mugil*: ASW, Mexico Gulf 519
- Biodegradation 575, 628, 702, 3224
- Biodegradation: INE, USA, Alaska 703
- Biodegradation: PNE, USA, Alaska 703, 3230
- Biodegradation: *Bacteria* 3328
- Biodegradation: *Candida subtropicalis* 704
- Chemical analysis 511, 514, 515
- Chemical analysis: USA 603
- Chemical composition: ASW, USA, Texas, Galveston I. 553
- Chemical composition: AW, USA 570
- Chemical composition: INE, USA 570
- 498
- Chromatographic techniques 513
- Chromatographic techniques: *Mercenaria mercenaria*: ANW, USA, Massachusetts 516
- Chromatographic techniques: *Mercenaria mercenaria*: ANW, USA, Rhode Island 516
- Chromatographic techniques: *Mugil*: ASW, Mexico Gulf 519
- Chromatographic techniques: *Mytilus edulis*: INE, USA, California, San Francisco Bay 571
- Currents 545
- Data acquisition: USA 667
- Data processing: USA 679
- Diving: USA 693
- Education: British Isles, England 672
- Education: USA, Michigan, Detroit 673
- Fluorescence 547, 3203, 3330

- Industrial wastes: USA, New Jersey 668
 International exchange 664
 International exchange: USA 676
 Legislation: British Isles, Wales 665
 Legislation: USA 666
 Metals 554, 3196
 Microphotography 511
 Monitoring 513
 Oil removal 545
 Oil removal: USA 539
 Pollution control 546, 662, 3195
 Pollution control: British Isles, Wales 665
 Pollution control: USA 539, 572, 692, 693
 Pollution effects: *Aquipectins irradians* 615
 Pollution effects: *Crassostrea virginica* 615
 Pollution effects: *Crustacea* 2216
 Pollution effects: *Invertebrata*: ISW, Red Sea 621
 Pollution effects: *Menidia menidia* 615
 Pollution effects: *Osteichthyes*: ISW, Red Sea 621
 Pollution monitoring 547
 Pollution surveys: AW, USA 570
 Pollution surveys: INE, USA 570
 Remote sensing 547, 548, 3204, 3166
 Salt marshes 627
 Sea law: USA 676
 Sediment analysis: ANW, USA, Maryland, Chesapeake Bay 574
 Shipbuilding: USA 676
 Ships : USA 572, 676
 Spectroscopic techniques 512, 3196, 7629, 7631
 Tankers 678
 Toxicity: *Invertebrata*: ISW, Red Sea 621
 Waste disposal: USA 572, 681
 Waste disposal: USA, New Jersey 668
 Wind-driven currents: ANW, USA, New Jersey 76
- Oil removal,**
 3192, 3220, 3326, 3334, 4268, 4269, 4270, 4272, 4275,
 5440, 5441, 9825, 9916, 11025, 11112, 12264, 12265,
 13420
- PN, Arctic 11017
 Adsorption 549, 3225
 Boats : USA, New York, Buffalo 541
 Chemical extraction 542
 Currents 544, 546
 Dispersants: ASW, Mexico Gulf 624
 Equipment 533, 534, 535, 536
 Equipment: USA 539
 Filtration 540
 Hydraulics 550
 Ice 3209
 Legislation: USA 666
 Numerical analysis 550
 Pollution control: INE, USA, California, San Francisco Bay 524
 Research programmes: USA 539
 Slicks 546
 Waste water 561
- Oil slicks,**
 3192
- Oil spills,**
 3220, 3326, 4262, 4305, 4333, 4347, 4384, 5445, 5453,
- 7637, 8734, 9827, 9832, 9910, 11016, 11037, 11112,
 11113, 12167, 12168, 12201, 12264
 ANE, English Channel 11114
 ANW, USA, Long Island 4349
 ANW, USA, Rhode Island 4310
 ANW, USA, Virginia, Plum Creek 12235
 INE, USA, Alaska 6674, 6675
 INW, Kuroshio Current 13433
 ISW, Kiltan Atoll 11044
 USA, Alaska 6674, 6675
Algae: ANE, Eire 3305
Mya arenaria: ANW, USA, Maine, Casco Bay 11064
Pecten: ANW, USA, Maine 4369
Spermatophyta: ASW, USA, Florida 12257
 Aerial surveys: USA 675
 Arctic zone: PNE, Beaufort Sea 684
 Arctic zone: USA 683
 3225
 Beaches 537
 Benthos: ANW, USA, Massachusetts, West Falmouth 625
 Benthos: PNW, Arctic 620
 Bibliographic information 680
 Chemical analysis: ANW, USA, Maine 518
 Chemical analysis: USA 603
 Chemical composition 560, 498
 Chemical properties: PNW, Arctic 573
 Coastal zone: INE, USA, Oregon 690
 Coastal zone: INE, USA, Washington 690
 Communities: ANW, USA, Massachusetts, West Falmouth 625
 Computer applications: Canada 682
 Computer applications: USA 523
 Data acquisition: USA 667
 Dispersants 527
 Dispersion: ANW, USA, Baltimore Canyon Trough 657
 Dispersion: USA 529
 Education: USA 670, 671
 Education: USA, Michigan, Detroit 673
 Education: USA, Texas 674
 Environmental effects: INE, USA, Alaska 687
 Equipment: Canada 530
 Equipment: USA 529, 531, 692
 Fisheries resources: Venezuela, Maracaibo L. 617
 Harbours: INE, USA, California, Oakland Estuary 522
 Industrial wastes: USA, Michigan, Detroit 673
 Intertidal environment: *Invertebrata*: INE, USA, Washington 616
 Legislation: USA 603, 666, 677
 Legislation: USA, Maryland 669
 Monitoring: USA 675
 Mortality causes: *Invertebrata*: INE, USA, California, San Francisco Bay 612
 Mortality causes: *Osteichthyes*: USA, South Carolina, Boone Creek 626
 Offshore technology: ASW, Mexico Gulf 624
 Offshore technology: INE, USA, Alaska 687
 Offshore technology: INE, USA, California, Estero Bay 688
 Oil removal 534, 535
 Oil removal: INE, USA, California, Oakland

Estuary 522
 Oil removal: USA 523, 532
 Plankton: PNW, Arctic, Mackenzie Valley 619
 Pollution control 691, 700
 Pollution control: ANW, Narragansett Bay 521
 Pollution control: ANW, USA, Maine 518
 Pollution control: ANW, USA, Maine, Casco Bay 520
 Pollution control: British Isles, England 672, 685
 Pollution control: Canada 526, 530, 682
 Pollution control: INE, USA, Alaska 687
 Pollution control: INE, USA, California, Estero Bay 688
 Pollution control: INE, USA, California, Oakland Estuary 522
 Pollution control: INE, USA, California, San Francisco Bay 524
 Pollution control: INE, USA, Oregon 690
 Pollution control: INE, USA, Washington 690
 Pollution control: USA 523, 529, 531, 532, 603, 667, 671, 675, 677, 681, 683, 686, 689, 692
 Pollution control: USA, Maryland 669
 Pollution control: USA, Michigan, Detroit 673
 Pollution control: USA, New Jersey 528
 Pollution control: USA, Texas 674
 Pollution effects: ANW, USA, Massachusetts, West Falmouth 625
 Pollution effects: ASW, Mexico Gulf 624
 Pollution effects: ASW, USA, Texas, Freeport 701
 Pollution effects: PNW, Arctic 620
 Pollution effects: PNW, Arctic, Mackenzie Valley 619
 Pollution effects: USA 603
 Pollution effects: *Invertebrata*: INE, USA, California, San Francisco Bay 612
 Pollution effects: *Invertebrata*: INE, USA, Washington 616
 Pollution effects: *Oncorhynchus gorbusha*: PNW, Arctic, Prudhoe Bay 618
 Predictions: ASW, USA, Texas, Freeport 701
 Predictions: USA 689
 Research programmes: Canada 526
 Research programmes: PNE, Beaufort Sea 684
 Research programmes: USA 531, 683
 Sea ice: PNW, Arctic 573
 Sea ice: USA 683
 Shellfish culture 918
 Tankers: INE, USA, California, Estero Bay 688
 Tides: ANE, USA, New York Bay 543
 Toxicity: *Invertebrata*: INE, USA, California, San Francisco Bay 612
 Waste disposal: ANW, Narragansett Bay 521
 Waste disposal: ANW, USA, Maine, Casco Bay 520
 Winds: ANE, USA, New York Bay 543

Oils,

4280, 4621, 9004, 9847, 10237, 11015, 13493
 ANW, USA, North Carolina 11046
 ASE, Adriatic 3243
 ASE, France 7672
 ASE, Mediterranean 7663
 ISW, India, Gujarat 11045
 Algae: INE, USA, California 9905
 Bacillariophyceae: ANE, British Isles, Severn Estuary 12233

Bacteria 4739, 5493, 11040, 11440
 Bacteria: INW, Japan, Tokyo Bay 6633
Calanus helgolandicus 6710
Chlorella 11517
Limnanthes alba 13885
Limnanthes douglasii 13886
Mytilus galloprovincialis: ASE, Venice Gulf 11068
Physeter catodon 13885, 13886
 Algal blooms: *Chrysochromulina kappa* 3282
 Biosynthesis: ISE, Polynesia 69
 Degradation: USA 790
 Microorganisms 3266
 Photosynthesis 3282
 Phytoplankton 3260
 Pollution effects 3261

Olfaction,

12480
Acanthaster planci 10779
Acmaea 9814
Hydromantes italicus 13198
Nitella 6008
Oncorhynchus kisutch: America, Michigan L., Oak Creek 10732
Salmo gairdneri 5070, 11947
Salmo gairdneri: America, Michigan L., Oak Creek 10733
Salvelinus alpinus 11940

Olfactory organs,

Anguilla anguilla: ASE, Biscay Bay 7275
Badoidei 8340
Clarias batrachus 13061
Elasmobranchii 6238
Octopus joubini 8210
Salmo gairdneri 8365, 13025
Selachioidei 8340
Teleostei 8328, 9401

Oligotrophic lakes,

Iceland 2489
 Norway 2489
 USSR, Ladoga L. 12177
 USSR, Onega L. 6598
 Yugoslavia, Ohrid L. 10981
 Growth: *Oncorhynchus nerka*: Canada, British Columbia, Great Central L. 2089

Onshore currents,

5895, 10205
 ANE, Germany, F.R., Sylt Is. 8002
 PSE, Australia, New South Wales 7023

Ontogeny,

Aeromonas 9642
Anabaena curva: USA, Minnesota, Christmas L. 9135
Arbacia lixula 12819
Artemia salina 12904
Astacidae 12923
Aulacantha scolymantha 7158
Bathychonchoecia septemspinosa 2689
Bufo bufo 11842
Caulerpa 9143
Cephalopoda 10433
Coccorella 11759

- Diastylis rathkei* 12911
Didinium nasutum 9236
Echinoidea 10399
Engraulis ringens: ISE, Peru 11784
Esox 2767
Eupagurus prideauxi 10494
Floridae 10325
Fucus distichus: ANW, Canada, Nova Scotia 9144
Gastropoda 11631
Gracilaria corticata 4781
Harengula pensacola: ASW, Cuba 6261
Hemidiscaceae 7092
Heterodontus 8357
Hymenena media 5969
Hyperolius viridiflavus: Africa, Kenya 8441
Ilyanassa obsoleta 9246, 9247
Invertebrata 7071
Lolliguncula brevis 2643
Lymnaea stagnalis 4904
Macrobrachium hendersodayanum: India, Khanapur, Malaprabha R. 10493
Macrobrachium novaehollandiae: ISW, Australia, Brisbane R. 11676
Misgurnus fossilis 9397, 9498
Mnemioopsis leidy 9200
Molgula impura 4052
Mugilidae 8405
Myriothele cocksi 11574
Mytilus galloprovincialis 11624
Myxine glutinosa 8369
Notolynchus valdiviae: AS 6226
Nuphar lutea: Europe, Danube R. 8321
Ocypodidae 11680
Oligopus longhursti 6255
Oxytricha fallax 9207
Paramecium tetraurelia 9203, 9205, 9206
Pectinatella gelatinosa 6056
Pisces 7071
Plethodon wehrlei: USA, Pennsylvania 11979
Polycelis nigra 8180
Polyplacophora: INE, USA, California, Pacific Grove 8218
Polypterus 2753
Proboscidea 7166
Rana temporaria 11843
Salmo gairdneri 6256, 8365
Salmo gairdneri: Turkey 11786
Scopimera globosa: Japan, Shizuoka Prefecture, Oota R. 11679
Siboglinum fiordicum 3914
Tachyleus tridentatus 11681
Teleostei 9401, 10581, 10602
Tubifex hattai 11583
Urodela 11846
Xenopus laevis 13009
Eyes: Rhinobatus granulosus 2803
- Oogenesis,**
 3828
Acerina cernua 7280
Anguilla anguilla 6257
Brachydanio rerio 7292
- Bufo arenarum* 9386
Chaetopterus pergamentaceus 11576
Crenimugil labrosus 5058
Cynolebias melanotaenia 11778, 11779
Dugesia dorotocephala 11580
Endeis laevis: ANE, British Isles 10395
Eetroplus suratensis 12996
Glossogobius giuris: India, inland waters 11794
Halisarca dujardini 12818
Invertebrata: PNW, White Sea 9094
Limulus polyphemus 10395
Lutjanus synagris 11782
Misgurnus anguillicaudatus 4014
Misgurnus fossilis 2813
Mytilus edulis 9250
Nicola zostericola 11582
Oncorhynchus nerka: USSR, Kamchatka, Dal'nee L. 5300
Osmerus eperlanus: USSR, Belozersk 9400
Osmerus eperlanus: USSR, Rybinsk 9400
Rana temporaria 8450
Salmo irideus 10588
Suberites massa 7142
Teleostei: World oceans 11774
Urechis caupo 6054
Xenopus laevis 4050
- Ooze,**
 ISEW 7047
- Operations research,**
 2082, 1109, 2064
- Organic constituents (organisms),**
 10268, 11327
 INW, Japan 10268
Desmarestia ligulata 10335
Mytilus edulis 9269
- Organic suspended matter,**
 3161, 5925, 11344, 13402
 America, Erie L., Point Pelee 4188
 ANE, Baltic 5921, 9062
 ANW, St. Lawrence Gulf 5910, 12619
 ANW, USA, Massachusetts, Buzzards Bay 9793
 ASW, Bahama Isl., Great Abaco 4222
 ASW, Caicos Isl., South Caicos 4222
 ASW, USA, Texas, Corpus Christi Harbor Channel 13434
 Australia, Melbourne 7952
 IS, Pacific 3105
 ISE 2353
 ISE, Peru 3105
 ISEW, Marshall Isl., Eniwetok 4222
 PSE, Australia, Victoria, Port Phillip Bay 7952
 USSR, Baikal L. 10153
Bacteria: ASE, Black Sea 11319
Crustacea: World lakes 10978
Diatomaceae: ISW, Persian Gulf 4662
 Amino acids: ANE 74
 Amino acids: PNW, Barents Sea 74
 Coastal zone: INW, Japan 65
 Metabolism: *Invertebrata* 175
 Metabolites: *Algae* 175

Organizations,

ASE, France 10118

Italy 3638

Organoleptic properties,

5681

Cetacea 5707

Ictalurus punctatus 13904*Merluccius gayi* 5706*Salmo gairdneri* 13914*Tilapia*: Ghana, Volta L. 11264Fish culture: *Ictalurus punctatus* 3555**Osmoregulation,**

7073

Acipenser gueldenstaedti 6334*Aedes taeniorhynchus* 5006*Aeschna cyanea* 5005*Alosa sapidissima* 10638

Amphibia 13097

Amphibolus maculosus: Australia, South Australia,

Eyre L. 9490

Anas platyrhynchos 2863*Anguilla anguilla* 5085, 7323, 10634*Aplysia* 4937*Balanus improvisus* 7216*Brachycera* 8319*Callinectes sapidus* 7222*Carcinus maenas* 8294, 9302, 9307*Chelon labrosus* 6321*Chelonia* 8466*Chelonia mydas* 10695*Codium decorticatum* 1329*Crangon septemspinosa* 12913

Crustacea 7072, 8305

Crustacea: ASW, Curacao 8302

Cyanophyceae 7104

Cyanoplax hartwegii 8242*Dasyatis americana* 11799*Dugesia dorotocephala* 9227

Fungi: ISW, Kuwait 2470

Galaxias maculatus 4029*Gillichthys mirabilis* 8389*Hydra littoralis* 6065

Invertebrata: PS 12724

Isoparorchis hypselobagri 12838

Isopoda 9869

Isostichopus badionotus 8183*Latimeria chalumnae* 11819*Lichina pygmaea* 6013*Ligumia subrostrata* 3938, 10457*Liza ramada* 6321*Luidia ciliaris* 11586*Lymnaea stagnalis* 7196*Malaclemys terrapin* 13110*Marionina achaeta* 8182

Mesozoa 4933

Mugilidae 8405

Nuttallina californica 8243*Octopus vulgaris* 4933*Palaemonetes paludosus* 4997*Paranephrops* 12915*Paranephrops zealandicus* 12916, 12922*Pelamis* 10696*Penaeus kerathurus* 9571*Petromyzon marinus* 5072*Phascosoloma arcuatum*: ISEW, Malaysia 9220

Pisces 13037

Pisces: PS 12724, 12724

Platichthys flesus 13019*Platichthys stellatus* 13016*Platymonas subcordiformis* 2542*Poecilia reticulata* 2812*Raja erinacea* 11799*Raja ocellata* 8390*Rangia cuneata* 10455*Salmo gairdneri* 6282, 9437, 10635, 10649, 13048*Scyliorhinus canicula* 9426

Teleostei 7072

Tilapia mossambica 5086*Trichocorixa verticalis*: Canada, Saskatchewan 6183*Uca pugilator* 8296*Utricularia* 143*Xenopus laevis* 8456, 11854Biochemistry: *Panulirus longipes* 234Drugs: *Anguilla anguilla* 1563Excretory organs: *Salmo gairdneri* 1548Glands: *Poroderma africanum* 297Parasites: *Cestoda Cyprinidae* 176Reproduction: *Gambusia* 1533Salinity: *Callinectes sapidus* 227Water temperature: *Callinectes sapidus* 227**Osmosis,**

2340

Luidia ciliaris 11586*Pila virens* 8228**Otolith reading,***Anguilla* 13205*Merluccius capensis*: PSW, South Africa 10807*Sebastes*: INE 6482*Sebastolobus alascanus*: INE 6482*Trachurus trachurus*: PSW, South West Africa 10802**Otoliths,***Barbus sarana*: India, Kollera L. 11961

Cephalopoda 3615

Clupea harengus: ANW, Fundy Bay 10578*Engraulis mordax* 9358*Gadus morhua*: ANE, Baltic 11965

Lutjanidae: ASW 11816

Morone 8913*Pleuronectes platessa* 1506*Sarda chiliensis* 5230

Teleostei 8913

Ageing methods: *Muraenesox cinereus* 1704Ageing methods: *Pseudosciaena manchurica* 1704**Ovaries,***Anguilla anguilla* 12982*Catostomus commersoni*: Canada, Quebec, Gamelin L. 9396*Cyprinus carpio* 10603*Glossogobius giuris*: India, inland waters 11794*Palaemon serratus* 4994*Raja naevus* 7288

- chizothorax richardsonii* 9346
quilla mantis 8279
vertebrata 13109
Overfishing,
 America, Erie L. 9510
 SE, France, La Rochelle 7892, 13537
 USA coasts 4538
Anguilla anguilla: ANE, Baltic 13828
Concholepas concholepas: PSW, Chile 13313
Oregonus clupeaformis: America, Great Lakes 11249
Merluccius capensis: PSW, South African Coast 11248
Merluccius paradoxus: PSW, South African Coast 11248
 Marine fisheries: *Oncorhynchus nerka*: INW, USSR,
 Kamchatka 997
Viviparity,
Orthogalumna terebrantis 7227
Proviviparity,
Latimeria chalumnae 6258
Oxidation,
 3161, 9847, 12199, 13405
 Bacteria: A, Atlantic 12266
 Bacteria: USSR, Mari Lakes 2468
Gymnodinium breve: ASW, USA, Florida, Boca Ciega
 Bay 6765
Salmo gairdneri 13914
 Gases: Africa, Kivu L. 2367
 Thermal stratification: Canada, Ontario, Experimental
 Lakes Area, Lake 227 1159
Oxygen,
 8711, 11336, 11339
 ANE, Iceland 2350
 ANW, St. Lawrence Gulf 12595
 N, Aleutian Is., Samalga Pass 11381
 SE, Galapagos Is., Bahia Darwin 12611
Ceratoscopelus maderensis 13056
Coryphaena hippurus 10628
Cyprinus carpio 11187
Macragnathus aculeatus 10567
Phaeodactylum tricornutum 9156
Rana catesbeiana 10692
Siboglinum ekmani 12825
Oxygen consumption,
 10940
 ANE, British Isles, Southampton Water 3347
 NE, USA, Washington, Dabob Bay 9697
 SEW, Taiwan 10157
 PSW, Antarctica 9773
 Uganda, George L. 4669
 World Ocean 4673
 Algae 7534, 7535
 Algae: British Isles, Northern Ireland, Neagh L. 13351
 Amphibia 13097
Anguilla rostrata 5069, 6286, 13440
Anoplogaster cornuta 10646
Anura 13111
 Arachnida 12933
Arctica islandica 6123
Balanus improvisus: ASE, Black Sea 12301
Biomphalaria alexandrina 1412
Blennius pholis 11936
Callianassa californiensis 11702
Callinectes sapidus 10521
Carcinus maenas 8301
Clarias batrachus 6287
 Copepoda 2707
 Copepoda: PNW, White Sea 12084
Crangon vulgaris 11703
Crassostrea virginica: ASW, USA, Georgia, Sapelo
 I. 12140, 13390
 Decapoda 9621
Gammarus pulex 7217
Glyptonotus antarcticus 9573
Haliotis discus 10450
Hemigrapsus nudus 11700
Heteropneustes fossilis 13049
Hydra viridis 4251
 Invertebrata: USA, Ohio 4316
Isoparorchis hypselobagri 3025
Latimeria chalumnae 13062
Lebistes reticulatus 6712
Lepomis cyanellus 13183
Lymnaea palustris 13285
Macrobiotus furciger: PSW, South Orkneys 6058
Macragnathus aculeatus 8398
Modiolus modiolus 12862
 Mollusca: ANE, Baltic 11916
Morone saxatilis: USSR, Inland waters 6330
Mysis relicta 8285
Mytilus californianus 3943, 3944
Mytilus edulis 11644, 12858
Noetia ponderosa 6109, 6110
Opsanus tau 10654
Panopeus herbstii 10745
Phasganophora capitata 7228, 13488
 Pisces: I, Pacific 6451
 Plethodontidae 8475
Pleuronectes platessa 7324
Pseudemys scripta 11852, 13099
Ptychodera flava 5119
Sagitta elegans: PNW, White Sea 12084
Salmo salar 5054
Simocephalus vetulus 13482
Siren lacertina 13114
Styela plicata 10681
 Teleostei 11798
Viviparus contectoides 6111
 Spawning migrations: *Lampetra fluviatilis* 2831
 Temperature tolerance: *Carassius auratus* 1552
Oxygen demand,
 8713
 Germany, F.R., Main R. 7982
 Poland, Inland waters 6569
Aplysia 4934
Cyprinus carpio 10004
Hypophthalmichthys molitrix 5605
Labeo umbratus 7325
 Pisces 5093
Salmo gairdneri 10004
Oxygen depletion,
 America, Erie L. 9012
 ANE, Baltic 7005

Oxyg

ANE, British Isles, East Lothian 12166
 ANE, British Isles, Fife 12166
 Canada, Ontario, Lakes 5859
 World lakes 7670
Cyprinus carpio 5602
Gymnodinium: INW, Japan, Omura Bay 6447
Lampra fluvialis 8392
Mytilus edulis 9256
Pemphigus trehernei 8320
Perca flavescens: USA, New York, Oneida L. 10854
Polyplacophora 8240
Salmo gairdneri 7317
Scylla serrata 4984
 Dissolved oxygen: *Pisces* 650
 Pollution effects: *Invertebrata* 650

Oxygen system,

7730
 Denmark, inland waters 11370
Chlorella vulgaris 5413
Golfingia gouldii 7172
Invertebrata 10413
Pleuronectidae 11812
 Haemoglobin: *Boulengerula taitanus* 1596

Oyster culture,

ASE, Spain, Galicia, Ribadeo Estuary 13744
Ostreidae: ASE, Portugal 12841

Oysters,

Oil pollution: *Crassostrea virginica*: ASW, USA, Texas, Galveston Bay 622

Pack ice,

7957
 ANE, Greenland 5884, 6986
 PS, Ross Sea 11414
 Physics: PNE, Beaufort Sea 1193
 Wind-driven currents: PNE, Beaufort Sea 1193

Packing fishery products,

4456, 5712
 South Africa 3583
Gadus morhua 5690

Palaeontology,

3796, 6098, 7926, 12050, 13956
 ANE, British Isles 2569
 ANW, USA, Maryland, Chesapeake Bay 11280
 ASE, Mediterranean 11281
 ASW 3807
 ASW, Bermuda 12699
 ASW, US Virgin Is., St. Croix 8645
 Australia, Leake L. 4579
 Biosphere 6935
 Canada, British Columbia 8911
 Canada, North West Territories, Somerset Isl. 8352
 Germany, Fed. Rep., Baden-Wuerttemberg 13955
 I, Pacific 7925, 11410
 Iraq, Dokan 8914
 PSE, Macquarie I., Major L. 12696
 Spain 6099
 Tethys Sea, central Paratethys 7927
 USA, Arizona 11757
 USA, Arkansas 12519
 USA, Illinois 10103

World oceans 5919

Actinaria 10989
Agassizocrinus lobatus 7597
Algae 12148
Algae: ASW, Costa Rica 4581
Aporrhais uttingerianus: ASE, Syria, Latakia 12515
Archaeocyathidae: INE, Canada, British Columbia 8910
Articulata: USA, Missouri 9180
Astrolepis 12516
Bacillariophyta: PSE, Antarctic Ocean 5343
Balanidae: Dominican Rep. 4175
Balanidae: Jamaica 4175
Balanidae: Trinidad 4175
Brachiopoda: Australia 8154
Brachiopoda: Israel 11538
Brachiopoda: Israel, Negev 10106
Brachiopoda: PNE, Canada, North West Territory 7924, 11537
Bryozoa 4802, 12781
Bryozoa: Canada, Ontario, Toronto 12517
Caryocrinites 7143
Chaetetoidea 7136
Chaetophorales: Poland 11463
Chondrites: USA, Missouri 9072
Clio pyramidata 4582
Congeriomorpha 11612
Creusia phryxa 10989
Crinoidea 9089
Decapoda: Barbados 8262
Decapoda: Trinidad 8262
Diatomaceae: USSR, West Siberia 7928
Dierspongia palla 11553
Dinoflagellata: ANE, British Isles 4801
Dinoflagellata: Belgium, Gelinden 8635
Ectoprocta 7136
Ekalakia lamberti 11666
Fajumia schweinfurthi: ASE, Egypt, Arab Rep. 11758
Foerstephyllum 11581
Foraminifera 4585, 10935
Foraminifera: ASE, Mediterranean 3616, 11282, 11283
Foraminifera: ASW, Mexico Gulf 9066
Foraminifera: ISEW, Solomon Isl. 9068
Foraminifera: Jamaica, Red Gal Ring 3894
Foraminifera: Puerto Rico 4174
Foraminifera: Trinidad 3891, 4585
Foraminifera: Venezuela 8917
Foraminifera: Venezuela, Margarita Isl. 3895
Fulgoraria zinsmeisteri 11611
Gabonella: Trinidad 3896
Gastropoda: ASW, Venezuela 6933
Graptoloidea 3066
Hitzespongia bilamina 11553
Icriodontidae: World Zoogeographic Regions 8511
Inoceramus: France, Gironde R. 13948
Lepidocyclina 3892
Macoma balthica: ANE, North Sea 5767
Mollusca 6930, 11647
Mollusca: ANW, USA 4176
Mollusca: ASW, USA 4176
Mollusca: British Isles, Suffolk, Icklingham 12514

- Mollusca*: Caribbean region 4584
Mollusca: Hungary 5766
Mollusca: Mexico 13954
Mollusca: Nigeria 5765
Mollusca: PSW, South Africa Rep. 9242
Mulinia lateralis: USA, North Carolina 5297
Mychocrinus 11982
Ophiomorpha nodosa: ANW, USA, North Carolina 9297
Orthosuchus stormbergi: Lesotho 4039
Ostracoda: ASE, Mediterranean 11284, 11285
Ostracoda: Caribbean region 4586
Ostracoda: PSW, South Africa Rep. 8916
Ostreidae 8207
Pelecypoda 6467
Phocaena phocaena: Finland 12518
Phosphannulus 10104
Pisces 12935
Pisces: USA, Idaho 4583
Pisidium: Europe, Alps 8205
Polygnathidae: World Zoogeographic Regions 8511
Porifera: ASW, West Indies 3897
Rudista: ASW, Caribbean Isl. 3930
Rugosa: Australia, New South Wales 10107
Trilobita: British Isles, Ayrshire, Girvan 13957
Tusayana 11612
Ualdanchella miliani: ASE, Mediterranean 10102
Ubeiceras manasoense: PSW, South African Rep. 10101
Biogeography: USA 2243
Evolution: *Chondrostei* 1834
Geology: PSE, New Zealand. 102
New species: *Uralinella*: USSR 2246
Sediment analysis: *Mollusca*: PSW, South Africa Rep. 1085
Edibility,
5703
Algae: ASW, Caribbean 12136
Anguilla rostrata 10072
Chionoecetes opilio 6883
Girella punctata 10072
Actinurus punctatus 5694, 5695
Macrourus berglax 5678
Methodon jordani 8440
Salmo trutta 8826
Salmonidae 7888
Scomber scombrus 2196
Cured products: Mexico, Yucatan 3524
Fishery products 3519
Palynology,
ANW, USA, Maryland, Chesapeake Bay 11280
ASE, Cameroon 10219
Australia, Leake L. 4579
Finland, Kuusamo, Kangerjoki 8912
NW, Japan Sea 4706
SE, Kerguelen Isl., Betsy Cove 7923
Lakes: Germany, F.R. 2239
Pancreas,
Acellus intermedius 4949
Astacus astacus: Finland, Tullusjaervi L. 6163
Biomphalaria salinarum: South West Africa 2625
Channa punctatus 13002
Clarias batrachus 6269, 8771
Myxine glutinosa 8369, 8393, 9348
Orconectes limosus 9312
Palaemon serratus 9313
Pisces 2809, 6342
Rana esculenta 10685
Teleostei 10562
Histology: *Bufo melanostictus* 2868
Parasite control,
Lepeophtheirus salmonis 9664
Lernaea cyprinacea: Indonesia 9648
Nematoda Pisces 1775
Petromyzon marinus: America, Great Lakes 9958
Environmental factors 1781
Water pollution 1781
Parasites,
10893
USSR, Aral Sea 11990
Acanthocephalus: Turkey, Munzur Stream 7467
Acanthocephalus tahlequahensis: USA, Oklahoma 6037
Acanthosentis dattai: India, Delhi, Inland waters 13286
Acartia tonsa Myoschiston centropagidarum: ANE, Baltic Sea, Schlei Fjord 3013
Achlya flagellata 8590
Achtheres micropteri 8604
Actinocleidus 3002
Aega stromi: ASE, Mediterranean 10720
Aeromonas salmonicida 7465
Algae 8071
Allacanthocasmus varius 8604
Anadara brasiliensis: ASW, USA, Texas 6033
Ancyrophora cornuta 7466
Angiostrongylus cantonensis 13283, 13284, 13285
Anguilla anguilla: Japan 13620
Anilocra physodes 6512
Anodonto anatina 10865
Anseriformes: Romania, Danube Delta 7475
Anthea cheres duebeni: ANE, Norway 11993
Aphanomyces astaci 6530
Aphanomyces laevis 8590
Apiosoma 7481
Aplocheilus melastigma 9211
Ascarophis: USA, California 8603
Ascarophis: USA, Washington 8603
Aspius vorax: ISW, Iraq, Basrah 13279
Astacus astacus 5286, 10523
Asymmetrione clibanarii 2675
Asymmetrione desultor 2675
Azygia lucii 10858, 12015
Bacteria 5277
Balanus perforatus 6162
Barbus sarana 4824
Bdellovibrio 3012
Biomphalaria 12284
Bithynia tentaculata: British Isles, Inland waters 12014
Blastodinium 7157
Blennius pholis 8601
Bolocera tuediae: ANE, Norway 11993
Bothriocephalus acheilognathi 7469
Bufo regularis 4157

- Bunocotyle sudatlantica*: ASW, Brazil, Salvador 10368
Caballerocotyla klawei 12396
Calceostoma calceostoma: ASE, Tunis Gulf 7134
Calceostomella inermis: ASE, Tunis Gulf 7134
Caligus kurochikini: ISW, Great Australian Bight 2682
Callinectes sapidus: ANW, USA, Virginia 10863
Camallanus oxycephalus 7131
Cancerilla oblonga: PSW, South Africa Rep. 2677
Candida albicans 2103
Carassius auratus: USSR, Kazakhstan 6527
Carassius carassius: USSR, Kazakhstan 6527
Carcinus mediterraneus 10503
Cardium edule 6510
Caryophyllaeus laticeps: Sweden, Drottningholm, Malaren L. 12038
Cercaria anadarae: ASW, USA, Texas 6033
Cercariaeum: USA, Michigan 8155
Cestoda: ASW, USA, Florida, Biscayne Bay 13299
Cestoidea: ANE, Reykjanes Ridge 11991
Chelonidae: ISW, India 9193
Cheloniidae 9195
Chelydra serpentina 8600
Chironomidae: Canada, British Columbia, Marion L. 5280
Chondracanthidae: PSE, New Zealand 7482
Climacium californica: USA, California 4083
Cnidosporidia: ANE, Reykjanes Ridge 11991
Codonophorus 7464
Contracaecum: Turkey, Munzur Stream 7467
Copepoda 4779, 12001
Copepoda: INE, Canada, British Columbia 6509
Corallovexia: ASW, Curacao 2660
Corbicula 1763
Cosmocerca brasiliensis: Ecuador, Inland waters 6038
Cothurnia variabilis 2588
Crassostrea commercialis: PSE, Australia, New South Wales 7461
Creptotrema: Turkey, Munzur Stream 7467
Crustacea: ANE, Reykjanes Ridge 11991
Cryptosaras couesi 2963
Ctenopoma kingsleyae: Dahomey 1764
Culicidae: USSR 6766
Cyclocoelum brasilianum 6020
Cymothoidae 2665
Cyprinus carpio 2103
Davisia anoplopoma Anoplopoma fimbria 162
Davisia pectoralis Coryphaenoides pectoralis 162
Dendrobates parvulus: Ecuador, Inland waters 6038
Dicrumentia bychowski: ASE, Tunis Gulf 7134
Dicymmenaea californica 9185, 9658
Dinocras megacephala 7466
Diplostomum spathaceum 6523
Diplotrichia darnauidii: Kenya, Baringo L. 9660
Djombangia indica 8149
Echineulima: World tropical regions 8196
Echinobothrium harfordi: ANE, North Sea 78594
Echinostoma lahorensis: Pakistan, Lahore, Inland waters 12803
Echinostoma lindoense 7474
Eimeria 3070
Eimeria juniatensis: USA, Pennsylvania, Juniata R. 6036
Eimeria prevoti 3023
Entobdella soleae 2578
Erignathus barbatus: INW, Okhotsk Sea 3001
Erimyzon oblongus: USA, North Carolina, Raleigh L. 13300
Erimyzon oblongus Cestoda: USA, North Carolina 1799
Esox lucius 7481, 11071, 12015
Eupolystoma alluaudi 4157
Eurytemora affinis Myoschiston centropagidarum: ANE, Baltic Sea, Schlei Fjord 3013
Eustrongylides: British Isles, Devon, Fernworthy Reservoir 9654
Eylais Sigara: British Isles, Leicestershire 1801
Fasciola gigantica 7473
Fasciola hepatica 7480, 12013
Fundulus diaphanus: Canada, Nova Scotia 5276
Fungi: Canada, British Columbia, Marion L. 5280
Galleria mellonella 6530
Ganeo micracetabulus: Pakistan, Lahore, Inland waters 12802
Gilquinia squali: ANE, North Sea 13854
Gliridacris vogei: USA 8165
Glugea stephani 8597
Glugea stephani: INE, USA, Oregon 6524
Graptomys geographica: USA, Pennsylvania, Juniata R. 6036
Grillotia erinaceus: ANE, North Sea 13291
Gurleya chironomi 4832
Gymnodinioides: ANW, USA, North Carolina 8598
Gyrodactylus costatae 12797
Gyrodactylus eucaliae 8158
Haemogregarina balli 8600
Haemogregarina bigemina 8601
Haplospilanchnus pachysomus 2544
Harveyella mirabilis 7112
Helicometrina chilomyxteri: ISW, Pakistan 7150
Hemimys 7472
Henneguya sebastae: INE, USA, California 8152
Heteronchocleidus ctenopomae: Dahomey 1764
Hyalophysa: ANW, USA, North Carolina 8598
Hydrachna Sigara: British Isles, Leicestershire 1801
Hydrophitrema gigantica 3004
Ichthyoxenus jellinghausii: India, Jabalpur, Pariat L. 13295
Illinobdella alba 8604
Indoplanorbis exustus 2029
Invertebrata: ASE, Azov Sea 7458
Invertebrata: ASE, Black Sea 7458
Invertebrata: Canada 9657
Invertebrata: ISW, India, Madras 9646
Invertebrata: USA, Alaska 9657
Irona 7464
Isoparorchis hypselobagri 3025, 12838
Janiszewskella fortiobothria: USA, Pennsylvania, Susquehanna R. 8156
Kinosternon sonoriense: USA, Arizona, Inland waters 8595
Kronborgia spiralis 12009
Lagenisma coscinodisci: ASW, Jamaica 9649
Lampetra fluviatilis: British Isles, Inland waters 12014

- leiostomus xanthurus*: USA, Texas, Clear Lake 8605
epeophtheirus anguilli: ISW, India, Kerala 12895
epeophtheirus salmonis 9664
epomis macrochirus 5288
ernaea cyprinacea: Indonesia 9648
ernaeenicus encrasicholi: ANE, North Sea 7460
ernaeenicus sprattae: ANE, North Sea 7460
ernaeocera branchialis 12910
ernaeocera branchialis: ANW, Canada, Newfoundland 10861
ligula intestinalis: Turkey, Elazig 7468
liza ramada 6029
lophotaspis orientalis 1763
lucilia bufonivora: Poland, Inland waters 4161
lymnaea 7480
marteilia: ISEW, Australia 7462
marteilia sydneyi: PSE, Australia, New South Wales 7462
meinertia oestroides 6512
merlangius merlangus: ANE, Isle of Man 7470
microphallus similis 10875
minchinia: France, Inland waters 3024
monobothrium ulmeri: USA, North Carolina, Raleigh L. 13300
monogenoidea: ANE, Reykjanes Ridge 11991
musculium securis: Canada, Ottawa R. 7477
mytilus: ANE, British Isles, Devon 6519
mytilus edulis 6510, 12008
myxobolus yukonensis: Canada, Inland waters 4818
myxosoma cerebri 13301
myxosporidia: India, West Bengal, Sundarbans 13303
nauplicola kenyensis: Kenya, Tsavo National Park, Tsavo R. 12792
neascus rhinichthysi: USA, West Virginia, Inland waters 10874
nematoda: ANE, Reykjanes Ridge 11991
nematoda: Canada, Newfoundland 4158
nematoda: Pakistan 7151
nematopsis 7479
neodeuteroberis pritchardae: Colombia 9659
neoechinorhynchus rutili 8604
neomesomermis fluminalis: Canada, Newfoundland 6508
odonothalia floccosa 7112
oncorhynchus: INW, Okhotsk Sea 6529
oneirophanta mutabilis 6091
opercoidae: ISW, Bay of Bengal 9194
ophicephalus striatus: Philippines, Inland waters 7483
ophichthys lutjanus analis: ASW, Brazil, Ceara 3000
opisthorchis caninus 8592
opisthorchis felinus: USSR, Inland waters 2997
opisthorchis felinus: USSR, Kazakhstan 6527
ostrea edulis 6039
palmeria hardmaniana: ASW, Jamaica 9649
pandaris bicolor: INE, USA, California 9650
paradisogaster niger: ISW, Pakistan, Karachi 9188
paradistigmoides kenyensis: Kenya, Tsavo National Park, Tsavo R. 12792
penaeus duorarum: ASW, USA, Florida, Biscayne Bay 12002
perca fluviatilis 1804
perna canaliculus 7479
philometra mariae 13281
philometroides huronensis 8589
philonema: Turkey, Munzur Stream 7467
phosphannulus 10104
physa acuta 13307
pilum pilum: USA, Georgia 7146
pisces 6512
Pisces: British Isles, Slapton Ley 3141
Pisces: Bulgaria 1754, 1755
Pisces: INE, USA, California 5274
Pisces: ISW, Egypt, Arab Rep., Bardawil Lagoon 12010
Pisces: Nearctic Region 2880
Pisces: Palaearctic Region 2880
Pisces: USSR, Kazakhstan 2996
piscicola reducta: USA, Minnesota, Zumbro R. 10867
Piscicolidae: USA, Oklahoma, Texoma L. 10868
pisolamia 6091
plasmodium circumflexum: USA, New Brunswick, Tantramar Marshes 8588
plathelminthes: Philippines 13271
pleurogrammus monopterygius 8888
pleuronectes platessa: ANE, British Isles, Scotland 9665
pleuronectiformes 7471
polystoma gallieni: Morocco 2891
pomoxis nigromaculatus 5288
pomphorhynchus laevis 8602
porphyrodiscus simulans 11524
porrocaecum caballeri Makaira mitsukurii: ISE, Mexico 156
posthodiplostomum minimum: USA, Iowa, West Okobij 6069
proctoeces maculatus 12008
pronocephalidae: ISW, India 9193
proteocephalus buplanensis 8157
protopolystoma xenopodis 3019
protozoa 6398
psettarioides kurochikini: ASW, Brazil, Salvador 10368
pseudocynus armatus 10479
pseudogrillotiidae: ISE, Hawaii 7145
pseudopleuronectes americanus 8597
raphidascaroides blochii: ISW, Bangladesh 9189
reptilia 13302
Rhaphidascaroides blochii: ISW, Pakistan 12804
Rhinichthys atratulus: USA, West Virginia, Inland waters 10874
Rhinichthys osculus: USA, Washington, Inland waters 5281
Rhinoptera bonasus: ANW, USA, Virginia 6032
Rhinoptericola megacantha: ANW, USA, Virginia 6032
rowardleus pennensis: USA, Pennsylvania, Susquehanna R. 8156
Rutilus rutilus: Europe, Arctic Ocean Province 5279
sacculina carini 10501
salmo gairdneri: USA, Nebraska, McConanghy L. 6206
Salmo trutta: British Isles, Devon, Fernworthy Reservoir 9654
Saprolegnia megasperma 5275
Schistocephalus aculeatus 3020
Schistocephalus solidus 7318

- Schistosoma nasalis* 2029
Scophthalmus maximus 9656, 13289
Sebastes: INE, USA, California 8152
Simuliidae: USA, South Carolina 10866
Siphona geniculata: British Isles, England, Reading 10859
Sisyrdivora: USA, California 4083
Solenodinium fallax 3021
Spirorchidae 9195
Sporozoa: ASE, France, Villefranche-sur-Mer 5289
Syndinium globiforme 3021
Synophrya: ANW, USA 8599
Telegamatrix: ISEW, South China Sea 10367
Tetragonocephalon lutanus: ISEW, Arafura Sea 7202
Tetramyxa marina: ISW, Red Sea 5411
Tetraonchus momenteron 5288
Thelohania contejeani: New Zealand, Leith Stream 9662
Trematoda: ANE, Reykjanes Ridge 11991
Tresus capax: INE, USA, Oregon 5287
Triakis semifasciata: INE, USA, California 9650
Trypanosoma pseudopodium: USA, Michigan, McCormick Experimental Forest 7144
Turgecacum longifauces Micropterus notius: ASW, USA, Florida 1357
Uncapsula pflugfelderi: ASE, Mediterranean 10383
Unionicola intermedia 10865
Urocleidus nactus: USA, North Carolina 6034
Virus cyanophage AS-1M 8607, 8608, 8609
Wallagonia 12838
Zoarces viviparus 5277
Zoopagales 9106
 Anatomy: *Echinocephalus sinensis* 1750
 Digestive system: *Steinella uncinata Uteriporus vulgaris* 3016
 Fish culture: *Salmo gairdneri*: Bulgaria 1756
 Freshwater: *Crustacea Osteichthyes*: Germany, Fed.Rep. 1777
 Growth: *Urceolariidae*: USSR, Inland waters 1700
 Hosts: *Angiostrongylus cantonensis* 1808
 Juveniles: *Urceolariidae*: USSR, Inland waters 1700
 Life cycle: *Cercaria Mollusca*: USA, Tennessee 1795
 Life cycle: *Haematoloechus coloradensis* 1793
 Life cycle: *Hydryphantes tenuabilis Hydrometra myrae* 3011
 Microbial contamination: *Urosporidium spissuli Spissula solidissima* 3010
 Morphology (organisms): *Cephalopoda* 406
 Morphology (organisms): *Cterissa australiensis*: ISEW, Timor Sea 1761
 Morphology (organisms): *Eimeria anguillae Anguilla australis*: PSE, New Zealand 1799
 Morphology (organisms): *Myripristis murdjan*: ISEW, Timor Sea 1761
 Morphology (organisms): *Nemesis robusta* 1434
 Morphology (organisms): *Trematoda* 406
 New records: *Acanthocephala*: ASW, USA, Alabama 407
 New records: *Pisces*: ASW, USA, Alabama 407
 New records: *Steno bredanensis Helminthes*: ASW, Mexico Gulf 1798
 New species: *Cterissa australiensis*: ISEW, Timor Sea 1761
 New species: *Gonocerca macrouri Macrourus rupestris*: ANE 1803
 New species: *Hemiuirus macrouri Macrourus rupestris*: ANE 1803
 New species: *Micropolyclithrum parvum*: ASW, USA, Florida 1762
 New species: *Mugil cephalus*: ASW, USA, Florida 1762
 New species: *Myripristis murdjan*: ISEW, Timor Sea 1761
 Parasite control: *Lota lota*: Austria, Salzkammergut 1802
 Public health: *Diphyllbothrium* 1772
 Respiratory organs: *Anguilla anguilla* 1768
 Respiratory organs: *Mycidium* 1768
 Seasonal variations: *Mytilicola intestinalis* 1757
 Seasonal variations: *Mytilus edulis* 1757
Parasitic diseases,
 3405
Biomphalaria glabrata 7476
Bucephalus Crassostrea gigas: INW, Korea Rep. 414
Bulinus truncatus 5542
Catostomus commersoni: Canada, Ontario, Louisa L. 6517
Clarias batrachus 8149
Crassostrea commercialis: PSE, Australia, New South Wales 7462
Crassostrea echinata: ISEW, Australia 7462
Lymnaea palustris 13284, 13285
Mugilidae 5226
Myxosoma cerebrealis 3006, 12801
Paranephrops zealandicus: New Zealand, Leith Stream 9662
Penaeus brasiliensis: ASW, USA, Florida, Biscayne Bay 13299
Penaeus duorarum: ASW, USA, Florida, Biscayne Bay 13299
Pisces: India 13689
Pisces: New Zealand 3017
Sagitta 7472
Salmo gairdneri 3006, 12801
Schistosoma mansoni 7476, 12012
Sprattus sprattus: ANE, North Sea 7460
Teleostei 13296
Vertebrata: World Land Areas 5282
Vertebrata: World Waters 5282
 Aquariology: *Protozoa Osteichthyes* 1779
 Disease control: *Pisces* 411
 Eggs: *Polyodon spathula* 408
 Environmental effects 115
 Fish culture: *Acanthocephala* 1774
 Freshwater aquaculture: *Diplostomum spathaceum* 415
 Freshwater aquaculture: *Salmo gairdneri* 415
 New records: *Ceratomyxa shasta Oncorhynchus keta*: INE, Canada, British Columbia 1790
 Sense organs: *Crangon crangon Leucothrix mucor* 405
Parasitism,
Ostreidae: ASE, Portugal 12841
Parasitology,
Bothriocephalus scorpii: ANE, Baltic 12006

Contracaecum aduncum: ANE, Baltic 12006
Cucullanus heterochrous: ANE, Baltic 12006
Echinorhynchus gadi: ANE, Baltic 12006
Gadus morhua: ANE, Baltic 12006
Myoxocephalus scorpius: ANE, Baltic 12006
Platichthys flesus: ANE, Baltic 12006
Podocotyle atomon: ANE, Baltic 12006
Zoarces viviparus: ANE, Baltic 12006
Parthenogenesis,
Codium fragile: ASE, Italy, Lago di Faro 4079
Patents,
 Australia 5675
Pathology,
Salmonidae 13024, 13277
PCB,
 3288, 5442, 12161
 ANE, North Sea 7661
 ANE, Norwegian Depression 7661
 ASE, Mediterranean 9858
 British Isles, Avon R. 6699
 Canada, British Columbia, Brunette basin 12202
 INE, USA, California 7677
 Japan, Hiroshima, Ashida R. 9855
 PN, Arctic 11103
Anguilla anguilla 8747, 8748
Aves: ANW, USA, New York 7722
Carassius auratus 7709
Crangonidae 13916
Engraulis japonica: INW, Japan, Osaka Bay 11077
Ictalurus punctatus 13472
Mercenaria mercenaria 7669
Mytilus galloprovincialis: ASE, Mediterranean 9893
Perca flavescens: Canada, Ontario, Ottawa R. 9886
Pisces 6341
Pisces: America, Michigan L. 4328
Pisces: INW, Japan, Hakodate 13452
Rana pipiens 8451
Salmo gairdneri 8747, 8749
Salvelinus fontinalis 3290
Scenedesmus obtusiusculus 5502
Spirodela oligorrhiza 9901, 9902
 Bioaccumulation: *Pisces*: INE, Bering Sea 640
 Digestive system: *Penaeus duorarum* 642
 Harbours: INE, USA, California 565
 Pollution effects: *Penaeus duorarum* 642
 Pollution monitoring: USA, Virginia, Anne L. 584
Pearl culture,
Hyriopsis schlegeli: Japan 13710
Pinctada: Japan 13710
Pinctada fucata: Japan, Ago Bay 6838
Pteria penguin: Japan 13710
 Aquaculture statistics: Australia 924
Pelagic fisheries,
 ASE, Balearic Isl. 13815
 ASE, Spain, Ebro delta 12679
 ISW, India, Gujarat 4491
 PSW, South Africa 3464
 PSW, Southern African Coast 11239
Katsuwonus pelamis: IS, Pacific 12445
Mallotus villosus: ANW, Gand Banks 13773

Scomber 12465
Scombridae: A, Atlantic 13860
Scombridae: ASE, Canary Is. 12414
Scombridae: ISW, India 12408
Pelagic zone,
 ASE, France, Bages-Sigean 4724
 ASE, France, Salses-Leucate 4724
 IS, Pacific 3606
Cetacea 13341
Pinnipedia 13341
Periphyton,
 8982
 Belgium, Meuse R. 13345
 British Isles, Norfolk, Alderfen Broad 3123
 Canada, Quebec, Lakes 6584
 Germany, D.R., Saale R. 10167, 10938
 USA, Florida, Everglades National Park 11002
Algae: Czechoslovakia, Danube R. 10883
Algae: Hong Kong, Plover Cove Reservoir 2492
Bacteria: ASE, Black Sea 11319
Bacteria: USA, Washington, Washington L. 12151
Chironomidae: Yugoslavia, Danube R. 3097
Pest control,
 5553
Aedes 5545
Aedes: ANW, USA 4410
Aedes: ASW, USA 4410
Chironomus yoshimatsui: Japan 5541
Culicidae 5540
Culicidae: Canada, Quebec, Trois Rivières 7766
Diptera 11145
Dreissena polymorpha 3364
Insecta 13170
Oncomelania hupensis: China, People's Rep. 8805
Tursiops truncatus: ASW, USA, Florida 4532
 Chemical control: *Bacteria* 3353
 Conferences: USA 790
Pesticides,
 3215, 3240, 4311, 6616, 7610, 8724, 11006, 11031, 12161,
 13431, 13435, 13944
 ANE, Baltic 3172, 11102
 ANW 13430
 ASE 3278
 ASE, Mediterranean 3227
 ASW, Puerto Rico 4329
 ASW, USA, Georgia 6677
 Austria, Woerthersee 2359
 British Isles, Avon R. 6699
 Europe, Constance L. 12190
 PN, Arctic 11103
 USA, Iowa 8733
Acipenseridae 11056
Algae 4303, 6680, 6698
Callinectes sapidus: ASW, Mexico Gulf 8751
Carassius auratus 9884
Cephalopoda: ANE, Skaggerak 12258
Channa punctatus 13475
Crustacea: ANE, Skaggerak 12258
Ctenopharyngodon idella 7767
Cyprinidae 11056

Pest

- Cyprinus carpio* 8688, 12228
Daphnia longispina 11053
 Decapoda: Canada, British Columbia, Fraser R. 8777
 Decapoda: INE, Canada, British Columbia, Fraser R. Estuary 8777
 Decapoda: INE, Georgia Strait 8777
Ergasilus sieboldi 11071
Esomus danrica 13475
Euglena gracilis 7710
Gammarus pulex 11054
Heteropneustes fossilis 13475
Ictalurus punctatus 4279
Lebistes reticulatus 6712
Lepomis cyanellus 3253
Lepomis macrochirus 8758
Modiolus demissus 12288
 Mollusca 5477
 Mollusca: Canada, British Columbia, Fraser R. 8777
 Mollusca: INE, Canada, British Columbia, Fraser R. Estuary 8777
 Mollusca: INE, Georgia Strait 8777
 Mytilidae: ANE, North Sea 5500
Panchax panchax 11089
Paradistigma triangulatum 11071
Parasalmo gairdneri 12228
 Penaeidae: ANE, North Sea 5500
Pimephales promelas 9884, 12229
 Pisces 8755
 Pisces: ANE, North Sea 5500
 Pisces: ANE, Skaggerak 12258
 Pisces: Canada, British Columbia, Fraser R. 6714, 8777
 Pisces: Hawaii 3252
 Pisces: INE, Canada, British Columbia, Fraser R. Estuary 8777
 Pisces: INE, Georgia Strait 8777
 Polychaeta: ANE, Skaggerak 12258
Rana sylvatica 8761
Rasbora daniconius 13475
Salmo 11055
Salmo gairdneri 5506, 8376, 8758, 8760
Salmo gairdneri: Germany, F.R., Rhine R. 8741
Salmo irideus 11053
 Teleostei: Germany, F.R., Inland waters 8756
Uca pugnax 11699
 Biodegradation: INE, USA, California, Monterey Bay 1967
 Biodegradation: *Algae* 1965
 Biodegradation: *Fungi* 1965
 Biodegradation: *Schizomycetes* 1965
 Laboratory research: *Indoplanorbis exustus* 2029
 Larvae: *Chironomus tentans* 7757
 Pollution monitoring 551, 1057
 Quality control 1057
 Research programmes 705
 Sediments: INE, USA, California, Monterey Bay 1967
 Toxicity: *Basiaeschna janata* 1999
 Toxicity: *Mytilus edulis* 646
- USA, Illinois, Kiskiminetas R. 7055
 Algae 2534
 Algae: British Isles, Inland waters 9706
Betta splendens 10776
Carcinus maenas 4990
Chara corallina 10342
Chlorella vulgaris 12779
 Culicidae 9333
 Cyprinidae 10655
Daphnia pulex 13259
Emerita asiatica 2705
Ictalurus punctatus 7320
Mytilus edulis 9252
Oncorhynchus tshawytscha 9233
Parastacoides tasmanicus 2709
 Pisces 2815, 7731
 Protozoa 2586
Rana pipiens 10688
Rana temporaria 13103
Rangia cuneata 10455
 Reptilia: USA, Texas, Presidio County 8469
Rita rita 8378
Salmo: Norway, Tovdal R. 12240
Salmo gairdneri 8402, 10635
Salvelinus fontinalis 6317
Salvelinus fontinalis: USA, North Carolina 11139
Sarotherodon mossambicus 6494
Scyllorhinus stellaris 9448
Vibrio 82 *Aeromonas* 8527
Viviparus contectoides 6111
- Phenols,**
 5443, 12216
 ASE, Adriatic 3243
 ASE, Sicily 11099
 Germany, F.R., Main R. 4300
 Germany, F.R., Rhein R. 4300
Anguilla rostrata 13440
 Bacteria: ASE, Black Sea 2484
Carassius auratus 11076
Chlorella 11506
 Crustacea 9879
 Eubacteriales: ASE, Black Sea 6683
 Fungi: ASE, Adriatic 5951
 Fungi: Yugoslavia, Skadar L. 5951
Lebistes reticulatus 11796
Metapenaeus monoceros 12918
 Mollusca 9879
Rhodomela larix 6012
 Communities: *Invertebrata*: America, Great Lakes 7759
 Fishery management: *Hexagenia*: USA 7758
 Fishery management: *Invertebrata*: America, Great Lakes 7759, 7762
 Fishery management: *Osteichthyes*: America, Great Lakes 7760, 7761
 Fishes: *Osteichthyes*: America, Great Lakes 7760, 7761
 Larvae: America, Great Lakes 7762
 Larvae: *Hexagenia*: USA 7758
 Pollution effects: *Palaemon adspersus* 638
 Toxicants: *Hexagenia*: USA 7758
 Toxicants: *Invertebrata*: America, Great Lakes 7759, 7762
- pH,**
 7943, 7985, 11330
 ISW, Arabian Sea 6998
 Tasmania, Inland waters 10162

Toxicants: *Osteichthyes*: America, Great Lakes 7760, 7761
 Toxicity: *Hexagenia*: USA 7758
 Toxicity: *Invertebrata*: America, Great Lakes 7759, 7762
 Toxicity: *Osteichthyes*: America, Great Lakes 7760, 7761
 Toxicity: *Vertebrata*: America, Great Lakes 7762
Phosphates,
 6921, 8985
 ANE, Norwegian Basin 6999
 ASE, Africa 2348
 ASE, Greece, Saronikos Gulf 3270
 Germany, Fed.Rep., Weser R. 5513
 IS, Pacific 3132
 ISE, Peru 3133
 ISEW, Ellice Is., Funafuti Atoll 2351
 ISW, India, Cochin Backwater 9073
 Uganda, George L. 7977
 USA, Missouri, Flat Branch Creek 9082
Algae: ANW, USA, Maryland, Rhode R.Estuary 10972
Anabaena cylindrica 9151
Anabaenopsis circularis 9151
Anguilla rostrata 6286
Bacteria: ANW, USA, Maryland, Rhode R.Estuary 10972
Thalassiosira pseudonana: INE 10919
 Annual variations: ASW, Campeche Bank 1242
 Chemical oceanography: ASE, Guinea Dome 1162
 Horizontal distribution: ASW, Campeche Bank 1242
 Muscular system: *Trachurus mediterraneus* 282
 Seasonal variations: ASW, Campeche Bank 1242
 Vertical distribution: ASW, Campeche Bank 1242
Phosphorus,
 5390, 5846, 7993, 8051, 8701, 8703
 America, Erie L. 9070
 ANE, Baltic 7605, 9062
 Antarctica, Bonney L. 12610
 ANW, USA, New York 3742
 ANW, USA, North Carolina, Pamlico R.Estuary 2380
 ASE 2371
 Australia, Mulwala L. 10217
 Denmark, Esrom L. 6923
 Denmark, Kvindso 7978
 INW, Japan 9770
 ISE 2352
 ISW, India, Bombay 11043
 Poland 7983
 Poland, Kortowskie L. 11366
 PS, Antarctic Circumpolar Current 2349
 PSW, Scotia Sea 2349
 Sweden, Raadasjoen L. 4341
 USA, New Hampshire, Stonehouse Pond 13349
 USA, New York, Fall Creek 8788
 USA, New York, Onondaga L. 11100
Acipenseridae 11056
Cyprinidae 11056
Gadus morhua 8779
 Bioassays: *Anabaena* 1332
 Bioassays: *Scenedesmus* 1332
 Lakes: USA 1961

Mathematical models: USA 1961
 Nutrient cycles: USA 1961
 Sediment analysis: America, Ontario L. 589
 Sediment distribution: America, Ontario L. 589
 Water quality: USA 1961
Phosphorus cycle,
 8672, 9809
 America, Erie L. 9015, 9016, 9802
 ANE, Sweden, Stockholm archipelago 9861
 ANW, Chesapeake Bay 5399, 9784
 ANW, USA, North Carolina, Pamlico R. 9789
 IS, Pacific 3132
 PSW, Antarctic Convergence 3132
Nitzschia palea 8672
Physa 8672
 Ion accumulation: *Algae*: USA, Georgia, Sidney Lanier L. 3140
Photochemical degradation,
 5463
Algae 2530
 Agricultural runoff 3178
 Pesticides 1953
Photographic equipment,
 4638, 5809, 5940, 8959
Turbellaria 7407
Photography,
 11317
Calanus helgolandicus 2956
Thunnius 13804
Photoreceptors,
Agnatha 7326
Amphibia 9500
Anguilla anguilla 13166
Artemia salina 13203
Balanus eburneus 11664
Cyprinus carpio 2765
Echinoidea 9214
Euglena gracilis 5213
Golfingia gouldii 12831
Hirudo medicinalis 10417
Mya arenaria 12726
Porichthys notatus 10645
Rana catesbeiana 8457
Photosynthesis,
 3119, 5388, 5858, 12717
 ASE, Mauritania, Cap Blanc 1912
 Denmark, inland waters 12128
 IN 6565
 INE, USA, California 9019
 IS, Pacific 3109, 3111
Acetabularia 12764
Acetabularia mediterranea 4800, 8115, 12763, 12777
Aleuropus litoralis 8130
Algae 1326, 2530, 4234, 8123, 8657, 13370
Algae: ANE 13362
Algae: British Isles, Inland waters 9706
Algae: British Isles, Wales, Nant-y-Moch Reservoir 12118
Algae: PS, Antarctica 5855
Algae: Tasmania, Inland waters 10163

- Algae: USA, Beartooth Mountains 8529
Amphidinium carterae 9157
Amphora coffeaeformis 11529
Anabaena circinalis 2523
Anabaena cylindrica 11513
Anabaena variabilis 2537, 2538
Anaenopsis circularis 5997
Anacystis nidulans 4790
 Bacteria: South Africa, Rietuli Reservoir 10271
Bryophyta 4111
Caulerpa racemosa 13439
Caulerpa simpliciuscula 9159
Chlamydomonas reinhardi 10331
Chlorella 6059, 11109
Chlorella fusca 10356
Chlorella pyrenoidosa 7111
Chlorophyceae 12772
Chlorophyceae: IN 12772
Chlorophyta: INW, Japan 11525
Chondrus crispus 9777
Diatomaceae 12768
Fucales 10749
Lichina pygmaea 6013
Pavona praeortia: ISEW, Marshall Is. 13384
Pediastrum duplex 12769
Phaeodactylum tricornutum 9155, 9156, 9776, 10326, 12123
Phaeophyta: INW, Japan 11525
Prosthecochloris phaeoasteroidea 12730
Rhodophyta: INW, Japan 11525
Scenedesmus obliquus 7126, 7127, 7128
Skeletonema costatum: ANW, Hudson Bay 13174
Spartina anglica 4112
Synechococcus cedrorum 8609
Synechococcus elongatus 10967
 Environmental effects 1903
 Light penetration: *Anabaena flos-aquae* 1325
 Limnology: Sicily, Faro L. 70
 Ponds 448
Photosynthetic bacteria,
 4797
Photosynthetic pigments,
 5315, 7602, 12116
 AN 12064
 ASE, Ivory Coast 2414
 INW, Japan 10912, 10917
 IS, Pacific 3111, 3112
 ISE 3110
 ISE, Peru 3110, 3112
Acetabularia 4799
Acetabularia mediterranea 8115
 Algae 4792, 8118
 Algae: ANE, Norway, Ofotfjord 9162
Barbourisia rufa 7308
Caulerpa 9143
Cetostomus regani 7308
Chlamydomonas 2458
Chlamydomonas cribrum 9166
Chlamydomonas parvilestrata 9166
Chlamydomonas reinhardi 2502
Chlorella pyrenoidosa 7111
Codium dichotomum: ASE, Mediterranean 6009
 Cyanobacteria 4798
Cyclotella cryptica 10337
 Diatomeae: France, Pavin L. 11407
Dinoflagellata 4795, 10344
Dinophyceae 10313
Eucheuma isiforme vare denudatum 11522
Euglena 9146
Euglena gracilis 6074, 8110
Gyromimimus 7308
Halobacterium halobium 9111
Navicula ostrearia 6001
Phaeodactylum tricornutum 9776, 11960
Protosiphon botryoides 4793
 Protozoa 5315
Rhodophyta 4798
Rondeletia bicolor 7308
Xanthophyceae 2521
 Biometrics: *Navicula ostrearia* 1320
 Chemical analysis: *Crustacea*: INW, Japan 1458
 Temperature effects: *Procamburus clarkii* 1459
Phototaxis,
Anura 9594
Artemia salina 13203
Carcinus maenas 11093
Echinoidea 9214
Euglena gracilis 5213, 8550
Gyrodinium dorsum 5214
Mopalia: INE, USA, California 5220
Palaemon serratus 11093
Rhithropanopeus harrisi 2954
 Measuring devices: *Euglena gracilis* 1264
Phototropism,
 Locomotion: *Anomalocera patersoni* 1698
Physical oceanography,
 12507, 12598, 12600, 12662
 ANE, Baltic 8927
 ANE, British Isles, East coast 4653
 ANW, USA, New York 3725
 ASE, Egypt, Arab Rep., Alexandria 7775
 ASE, France 11417
 ASE, Tunisia 6987
 Canada 12541, 12623
 IN 12586
 INE, USA, California, Monterey Bay 3699
 INW 4647
 ISE, Peru 6988
 ISEW 4647
 ISW, India 10152
 PN 12604
 Research programmes: World Ocean 55
Physical properties,
 3705, 3706
 AS 8936
 ASE, Egypt, Arab Rep., Alexandria 2324
 ISW 6982
Clarias batrachus 13032
Ophicephalus striatus 13032, 13911
Undaria pinnatifida 13872

Physiology,

3830, 4344, 6386, 6388, 9091, 12068
Acipenseridae 12375
Aedes caspius 6182
Algae 4729
Allomyces arbuscula 12731
Alosa sapidissima 10638
Ambystoma maculatum 6371
Amia calva: USA, Inland waters 11797
Amphibia 13097
Anacystis nidulans 11536
Aplysia 4937, 10462
Arbacia punctulata 9222
Argyrolepecus affinis 10644
Artemia salina 4862
Arvicola terrestris 4057
Astacidae 8303
Asterias rubens 11588
Bacteria: ASE, Mediterranean 11448
Bacteria: ASE, Mediterranean, Gulf of Fos 8736
Bacteriophages 5961
Barytelphusa cunicularis 3978
Bryopsis plumosa 5999
Callinectes sapidus 8256, 11595
Carassius auratus 5464
Cetacea 9453
Characeae 10343
Chlorella 11506
Chlorella vulgaris 11536
Chlorophyta: ANE, British Isles 2526
Clarias lazera 6692
Clunio marinus 11717
Coleoptera 3979
Copepoda 8531
Cryptochiton stelleri 8237, 8244, 8245
Cynolebias melanotaenia 11779
Cyprinus carpio 8415
Davidius moiwanus tarvii 12931
Delphinus 5126
Dugesia mediterranea 7164
Ephydatia fluviatilis 4153
Gasterosteus aculeatus 10657
Haliotis discus 10450
Hemigrapsus nudus 11700
Homo sapiens: ANE, North Sea 12566
Hydrobiidae 4109
Ictalurus punctatus 11808
Katsuwonus pelamis 9444
Labeo capensis 6284
Laminariales 12124
Lampetra fluviatilis 13040
Latimeria chalumnae 13023
Lebistes reticulatus 6452
Lepisosteus oculatus: USA, Inland waters 11797
Lichina pygmaea 6013
Limulus 11696
Littorina sitkana 12861
Maja squinado: ASE 11884
Mugil cephalus 13044
Mytilus californianus 3943, 3944
Mytilus edulis 10454, 12869

Myxicola infundibulum 12837
Myxine glutinosa 2835
Nandus nandus 9406
Nassarius obsoletus 9255
Nereocystis luetkeana 7097
Oncorhynchus 5009
Palaemonetes pugio 8289
Panulirus 10498
Panulirus argus 9309
Pediastrum duplex 12769
Pila globosa 8226
Pila virens 8228
Pisces 6301, 8399, 9556, 10605
Pisces: ANE, Skaggerak Sea 10637
Pisces: USSR, Inland waters 12344
Pista pacifica 4859
Pleurobranchaea 10826
Polyplacophora 8240
Polyplacophora: INE, USA, California 8246
Pseudopleuronectes americanus 8375, 8391
Ptychodera flava 5119
Rana 5118
Rana catesbeiana 5120
Rana esculenta 8473
Rangia cuneata 4930
Salamandra salamandra 8471
Salmo gairdneri 5082, 6328, 9442
Salmonidae 11732
Scylliorhinus canicula 9426
Scylliorhinus stellaris 10613
Scylla serrata 12920
Spisula solidissima 4932
Teleostei: World temperate regions 9423
Teleostei: World tropical regions 9423
Thunnidae 13047
Tilapia grahami 6352
Tinca tinca 9421
Tracheloraphis 8531
Trigon pastinaca 6283
Tubipora musica 12821
Unionidae 12868
Xenopus laevis 9 494
Zalophus californianus 2867
Environmental effects: *Cellana ornata* 1414
Laboratory research: *Xiphosura* 1457
Metabolism: *Chlorella fusca* 1337

Phytoplankton,

1326, 3119, 3226, 3646, 5327, 5328, 5329, 5333, 5939,
6564, 7717, 7730, 8661, 8666, 8676, 8681, 9127, 9712,
9717, 9895, 10263, 10347, 10348, 11512, 12063, 12068,
12069, 13220, 13353, 13354, 13357, 13605
Africa coasts 10922
Africa, Tanganyika L. 3701
America, Amazon R. 6552
America, Erie L. 9707, 9772
AN 12064
ANE 13362
ANE, Baltic 9715, 9748, 9749, 9754
ANE, Baltic, Gdansk Deep 9683
ANE, Finland 6581
ANE, Finland Gulf 4204

- ANE, German Bight 11473
 ANE, Irish Sea 13436
 ANE, Kiel Bight 9684
 ANE, North Sea 3076
 ANE, Norway, Hardangerfjord 9716
 ANE, Sweden, Trosa archipelago 4202
 ANW, Chesapeake Bay 5399
 ANW, Georges Bank 12081
 ANW, Labrador Current 4201
 ANW, Maine Gulf 12081
 ANW, USA, New Jersey 3075
 ANW, USA, New York 4177
 ANW, USA, South Carolina 9766
 ANW, USA, Virginia, Lafayette R. 6573
 Argentina, Chubut, Puelo L. 3845
 AS 7516
 AS, North Equatorial Current 12066
 AS, South Equatorial Current 12066
 ASE 7526
 ASE, Adriatic 10927, 10927
 ASE, Aegean, Petalion Gulf 1870
 ASE, Black Sea 7513
 ASE, France, Berne lagoon 12132
 ASE, Greece 5349
 ASE, Guinea Gulf 10992
 ASE, Lebanon 3277
 ASE, Lyon Gulf 5354
 ASE, Mauritania, Baie du Levrier 3121
 ASE, Morocco 12579
 ASE, Tyrrhenian Sea 3126, 7530
 ASE, Yugoslavia, Kastela Bay 6551
 ASW, Bahama Is. 9779
 ASW, Caribbean 7510
 ASW, Florida Current 5816
 ASW, Mexico 4198
 ASW, Mexico Gulf 5350, 7510
 Austria, Woerthersee 3122
 Canada, Labrador Lakes 4237
 Canada, Quebec, Inland waters 6554
 Czechoslovakia, Danube R. 8614, 12082
 Czechoslovakia, Slapy Reservoir 10910
 Denmark, Arresoe, L. 12129
 Denmark, inland waters 12128
 Europe, Geneva L. 3061
 Finland, Paajarvi L. 10909
 France, Pavin L. 10913
 Germany, D.R., Saale R. 10918
 INE, Canada, British Columbia, Knight Inlet 5409
 INW, Japan 9770, 10917
 INW, Japan, Honshu 9700
 IS, Pacific 3056, 3109
 ISE 3108, 3113
 ISE, Marquesas Is. 6596
 ISE, Peru 3109, 3110, 3133, 7527
 ISE, Society Is. 7583
 ISE, Tuamotu Is., Takapoto Atoll 12125
 ISEW, Japan, Ogasawara Is., Futami Bay 7521
 Israel, Kinneret L. 12075
 ISW, Arabian Sea 5393, 7514, 7515
 ISW, Great Australian Bight 12083
 ISW, India, Mandapam 9775
 ISW, Iraq, Euphrat R. Estuary 4190
 ISW, Iraq, Tigris R. Estuary 4190
 Poland, Goczałkowice Reservoir 6393
 Poland, Mikolajskie L. 6609
 Poland, Sola R. 6394
 Sweden 4204
 USA, Arizona, Upper Lake Mary. 3085
 USA, Florida 5334
 USA, Minnesota, Minnetonka L., Halstead Bay 11904
 USA, New York, Onondaga L. 11100
 USA, Tennessee, Center Hill Reservoir 12712
 USA, Utah, Great Salt L. 10970
 World oceans 12385
 Yugoslavia, Ohrid L. 8629
Algae 10920
Algae: British Isles, Inland waters 9706
Amphora coefferaeformis 6566
Asterionella formosa: USA, Pennsylvania, Edinboro L. 12056
Attheya zachariasii: Chile, Hualpen, Laguna Verde 2888
Bacillariophyceae: ISEW, Sulu Sea 10933
Bacillariophyceae: ISW 10933
Chlorophyta: British Isles, England, Somerset 9115
Copepoda: ANW, USA, Maryland 11137
Dinoflagellata: ISEW, Sulu Sea 10933
Dinoflagellata: ISW 10933
Gymnodinium: INW, Japan, Omura Bay 7519
Thalassiosira: ANW, Bedford Basin 5260
 Algal blooms: ANE, North Sea 1864
 Biomass 475
 Biomass: ASW, Mexico Gulf 1884
 Biomass: PSW, Chile, Valparaiso Bay 1877
 Biomass: PSW, Scotia Sea 356
 Check lists: ASE, Italy 452
 Check lists: ASW, Caribbean 1885
 Check lists: ASW, Mexico Gulf 1885
 Community composition: ASW, Mexico Gulf 1884
 Community composition: ISEW, Bonin Is. 1861
 Coral reefs: ISEW, New Caledonia 1600
 Diversity index: Europe, Geneva L. 3062
 Environmental effects: ANE, Norway 1880
 Environmental effects: ISEW, Bonin Is. 1861
 Eutrophication: America, Ontario L. 1887
 Geographical distribution: ASW, Mexico Gulf 1884
 Growth 3422
 Mathematical models 10929
 Mathematical models: America, Ontario L. 1887
 New records: ASW, Caribbean 1885
 New records: ASW, Mexico Gulf 1885
 Nitrates: *Skeletonema costatum* 1859
 Nutrients (mineral): America, Ontario L. 1887
 Oils 1972
 Phosphates: Germany, Dem. Rep., Saldenbachreservoir 1914
 Photosynthesis 1972
 Pollution effects 1969
 Ponds 448
 Primary production: ASE, Mauritania 1848
 Primary production: Austria, Vorderer Finstertaler L. 3065
 Primary production: Egypt, Arab. Rep., Suez Canal 1918

Primary production: PNW, White Sea 1858
 Primary production: USSR, Baikal L. 476
 Production (biological): ASE, Mediterranean 3081
 Production (biological): *Algae* 475
 Red tides: *Gymnodinium breve*: ASW, USA, Florida 482
 Salt marshes: Chad, Kanem R. 440
 Seasonal variations: ANE, Poland, Gdansk Bay 1866
 Seasonal variations: Europe, Geneva L. 3064
 Seasonal variations: PSW, Chile, Valparaiso Bay 1877,
 1878
 Succession: ASW, Mexico Gulf 1884
 Transportation: ANE, Norway 1880
 Upwelling: ASW, Mexico Gulf 1884
 Vertical distribution 2452
 Vertical distribution: PSW, Scotia Sea 356
 Water circulation: PSW, Scotia Sea 356
 Water masses: ASW, Mexico Gulf 1884
 Water quality: America, Ontario L. 1886, 1887

Pigments,

ASE, Black Sea 5862
 USA, Washington, Washington L. 5912
Acanthephyra 9300
Algae 7101
Amphibia 5121
Brachydanio rerio 5062
Carassius auratus 6309
Centrostephanus longispinus 7174
Cyanophyceae 8124
Dinophyceae 8111, 8112
Ecteinascidia turbinata 2859
Euglena gracilis 8550
Geryon quinquedens 11689
Gloeocapsa alpicola 11515
Iradaea cordata 7095
Lamprometra klunzingeri: ISW, Aqaba Gulf 6063
Limulus 2919
Mytilus edulis: ANW, USA, Maine 12857
Ostariophysi 5090
Ostreidae 7833
Petroglossum nicaeense 7121
Pinctada fucata 6107
Pisces 2816
Poecilia reticulata 6309
Pomacentrus variabilis 2838
Porichthys notatus 10645
Pseudomonas magnesorubra 10278
Rana clamitans: Canada, Ontario, St. Nova L. 8423
Sepia officinalis 2646
Teleostei 5087, 6260
Todarodes pacificus 8221
Uca pugilator 8288
Xenopus laevis 8461
 Chromatophores: *Lebistes reticulatus* 2826
 Predation: *Daphnia* 1733
 Taxonomy: *Monallantus salina* 1310
 Taxonomy: *Nannocloris oculata* 1310

Pigments Biochemistry,

Crustacea 11690

Pilot-scale culture,

Brachionus plicatilis 849
Tetraselmis suecica 927
 Seed (aquaculture): *Ostrea edulis* 914

Pineal organ,

Amphibia 9500
Anoptichthys jordani 10551
Astyanax mexicanus 10551
Rana catesbeiana 9505
Rana temporaria 9505
Teleostei 10545

Pituitary gland,

Hormones: *Oncorhynchus keta* 295

Pituitary gland,

Acipenser ruthenus 11752
Anguilla anguilla 7282
Bagarius bagarius 6196
Bufo arenarum 6378
Chelydra serpentina 8427, 8458
Clarias batrachus 10627
Colisa fasciata 12956
Crenimugil labrosus 5058
Emys orbicularis 8434
Heteropneustes fossilis 5075, 8364
Huso huso 11752
Hydrolagus collicii 10580
Lampetra fluviatilis 6237, 8392
Latimeria chalumnae 5024
Mollienesia latipinna 10550
Mugil cephalus 10552
Myxine glutinosa 8382
Nectophrynoides occidentalis 9493
Oncorhynchus gorboscha 13059
Oncorhynchus keta 13891
Oncorhynchus kisutch 7248
Poecilia latipinna 4031, 8384, 8410, 10549
Pseudopleuronectes americanus 8391
Rana pipiens 8463
Rana temporaria 9492
Salmo gairdneri 8381, 12981
Salmo salar 7294, 9359, 9419
Schizothorax richardsonii 2797
Scleropages formosus: Malaysia 6254
Synodontis schall 10641
Teleostei 2793, 7315, 9432, 10546
Testudo graeca 8434
Trionyx sinensis 13098
Xenopus laevis 8461
 Hormones: *Oncorhynchus keta* 296

Plankton,

4185, 7520, 11511, 12072, 12073, 12080, 13346
 ANE, Finland, Helsinki 9686
 ANE, Germany, F.R., Eider estuary 7746
 ANE, Norwegian Basin 5341
 ANE, Poland, Szczecin Firth 9687
 ANW, Greenland 6027
 ANW, Narragansett Bay 9692
 ANW, USA, Long Island, Fire Island Inlet 10928
 ANW, USA, Massachusetts 4178, 7511, 9925, 9926
 AS 7541, 8936
 ASE, Africa 7529

- ASE, Crete 7348
 ASE, Gulf of Fos 4189
 ASE, Mediterranean 7571
 ASW, Campeche Bank 1883
 ASW, Caribbean 7938
 ASW, Marseilles Gulf 4187, 12062
 ASW, Mexico 4199, 12079
 ASW, Mexico Gulf 7938
 ASW, Mexico, Veracruz, Pueblo Viejo Lagoon 8636
 ASW, USA, Texas, Galveston Bay 13352
 Canada, North West Territory, Yellowknife 6572
 Czechoslovakia, Gabcikovo 8638
 India, Dharwar, inland waters 10704
 India, Govindgarh L. 13383
 India, Kumaon Himalayas, Niti Pass 8630
 INE, USA, Washington, Dabob Bay 9697
 INW, Japan 10912
 INW, Okhotsk Sea 7533
 IS, Pacific 3106
 ISE, California Gulf 9711
 ISE, Chile 6559
 ISE, Hawaii, Kaneohe Bay 9693
 ISE, Hawaiian Ridge 5335
 ISE, Peru 3107
 ISE, Tahiti 3078
 ISEW, Australia, Northern Territory 5157
 ISW, Australia 5157
 ISW, Great Australian Bight 3071
 Italy 4194
 Netherlands, Inland waters 12711
 New Zealand, Mahinerangi L. 6585
 New Zealand, Ototoa L. 9713
 PN, Arctic 11314
 PNW, Barents Sea 5342
 Poland, Kortowskie L. 6614
 Surinam 5536
 USA, Mississippi 4307
 USA, Montana, Flathead L. 13116
 USA, Wisconsin, Inland waters 8632, 8633
 USSR, Caspian Sea 10961
 World tropical regions 7586
 World waters 7608
Anabaena fusca: USA, Minnesota, Christmas L. 9137
Appendicularia 12070
Bacteria 3212
Bacteria: ANW, USA, North Carolina 10921
Bacteria: USSR, Baikal L. 7585
Chaetognatha: ANE, Eire, Galway Bay 7539
Cnidaria: ASW, USA, Mississippi Sound 8631
Copepoda: ANW, USA, Maryland 11137
Copepoda: ISEW 5324
Euphausiidae: ISEW 5324
Foraminifera 10935
Invertebrata: ANE, Kiel Bight 9725
Polychaeta: INE, USA, California 4853
Proboscoidactyla ornata 7166
Prosobranchia: World oceans 5173
Protozoa 12071
Teleostei: Sweden, Inland waters 12160
Cadmium: INE, USA, California 1882
 Community composition: ISEW, Malacca Strait 1839
 Computer applications 1838
 Controlled conditions 1844
 Ecosystems 1838, 1847
 Growth: *Melosira binderana*: Canada, Ontario L. 9605
 Lakes 1847
 Marine pollution 1938
 Methodology 437
 New records: *Diplophos rebainsi*: PSE, New Zealand 1865
 Nitrogen cycle: ISE, Hawaii 477
 Palaeontology: USSR, Ukraine 2245
 Pollution effects 1975
 Population dynamics 2878
 Rearing 2133
 Seasonal variations: Europe, Geneva L. 3063
 Seasonal variations: Japan, Honshu, Lake Yunoko 1856
Plankton collecting devices,
 3055, 3059, 3391, 4630, 5326, 5352, 9710, 9718, 10264,
 12063, 12323
 ANE 12059
 ANE, Baltic, Luebeck Bay 10137
 ANE, Norway 12065
Clausocalanus: AN 12058
Tintinnida: AN 12060
Plankton feeders,
Tunicata 9618
Plant control,
 8804, 12292, 12305
 USA, Florida 4411
 USA, Wisconsin, Mondeaux Flowage 7769
Algae: USA 3354
Anabaena flos-aquae 7765
Echinochloa colonum 13517
Eichhornia crassipes 12289
Eichhornia crassipes: Argentina 11709, 12924, 13514
Hydrilla: Southeast Asia 9957
Orthogalumna terebrantis: Argentina 11709
Pistia stratiotes 13516
Salvinia: Southeast Asia 9957
Tilapia 13517
 Diseases: *Alternanthera philoxeroides* 787
 Diseases: *Eichhornia crassipes* 787
 Diseases: *Hydrilla verticillata* 787
 Diseases: *Myriophyllum spicatum* 787
 Electrolysis: *Algae* 3355
 Herbicides: *Alternanthera philoxeroides*: USA 2038
 Herbicides: *Eichhornia crassipes*: USA 2038
Plastics,
 6817, 11116
 Larvae: *Dreissena polymorpha*: Germany, Fed. Rep.,
 Constance L. 200
Plumes (aquatic),
 5876
Plutonium,
 3200, 3208, 6657
 America, Michigan L. 6660, 6661
 ANE, Baltic Sea 6656
 ANE, British Isles, Cumbria 6658
 ISW, India, Trombay 3193
Cancer pagurus 12242

- vertebrata* 6688
lagophycus porra 3208
scies: ANE, France, Cotentin 7684
euronectes platessa 12242
oaccumulation: *Macrocystis pyrifera* 585
 3205, 3206, 3197
Poisonous organisms,
 7754, 7755
onyaulax: INW, Japan, Ofunato Bay 7885
scies 7753
 ed tides: USA 773
oxicity: *Mollusca* 757
oxicity: *Pisces*: Hong Kong 2206
oxicity: *Pisces*: ISEW 2206
Piscons (biological),
 9101, 13513
ptasia pallida 8797
gae 4729
memonia sulcata 6767, 6768, 8799
temia salina 8270
pergillus 5715
abylonia japonica 7755
fo alvarius 8431
hironex fleckeri 6769
hlamys nipponensis: INW, Japan, Ofunato Bay 7885
ondylactis aurantiaca 8185
trassostrea echinata: ISEW, Papua New Guinea 11146
tenochaetus striatus: ISE, Tahiti 13892
tytiscidae 11817
ectrophorus electricus 6277
omphosphaeria aponina: ASW, USA, Florida 6004
onyaulax catenella 3350, 12286
ymnodinium: USA 9943
ymnodinium breve: ASW, USA, Florida, Boca Ciega
 Bay 6765
yrinidae 11817
taluridae 5537
aticauda semifasciata 1352, 4409
mulus polyphemus 6070
odiolus demissus 12288
elamis platurus: ISE, Costa Rica 8420
emphales promelas 11818
scies 7753
almo gairdneri 11996
oichactis helianthus 5538
omolophus meleagris 8798
ntibiotics: *Leptodactylus pentadactylus* 771
ntibiotics: *Salamandra maculosa* 771
hemical analysis: *Gonyaulax tamarensis* 761
hemical analysis: *Gymnodinium breve* 766
hemical structure: *Laticauda semifasciata* 770
 ed tides: *Mollusca* 757
oxicity: *Gonyaulax tamarensis*: ANW, USA,
 Massachusetts 761
oxicity: *Gonyaulax tamarensis*: ANW, USA, New
 Hampshire 761
oxicity: *Gymnodinium breve* 765
oxicity: *Pisces* 765
Polar zones,
 12539
 orway 10119
- Pollutants,**
 5452, 5463, 6624, 6637, 6645, 7636, 7704, 9833
 ANE, Bristol Channel, Severn Estuary 10189
 ANE, Norway 8731
 ANW, USA, New York 7665
 ASE, Greece, Athens 4324
 Japan, Hiroshima, Ashida R. 9855
 USA, Delaware, Murderkill R. 6761
 USA, Indiana, West Little Sugar Creek 4331
Algae 6680
Asellus aquaticus 8746
Carassius auratus 8746
Lymnaea stagnalis 8746
Mollusca 5477
Mollusca: ASE, Mediterranean 6679
Mytilus: ASE, France 8730
Mytilus edulis 4361
Myxine glutinosa: ANE, Sweden, Gullmar Fiord 8585
Ophryotrocha 8743
Umbra limi 10589
 4358
Metabolism: *Lepomia macrochirus* 3294
 Vertical distribution 3257
Pollution,
 3646, 5423, 11120, 11276, 12165, 12170, 12503, 13531
 ANE, Baltic 3167
 ANW, USA, Virginia 11138
 ASE, Mediterranean 12591
 Europe coasts 11119
 INW, Japan 13414
 ISE, Pacific 7987
 Japan, Mikata District, Inland waters 8691
 PSE, Australia, Melbourne 11009
 USA, Virginia, New R. 8766
Bacteria 13419
 International exchange 504
Pollution control,
 3162, 3184, 3192, 3211, 3324, 3325, 3326, 4261, 4290,
 4382, 4384, 6625, 6626, 6640, 6642, 6643, 6644, 6645,
 6729, 6746, 6913, 7736, 7737, 7738, 7915, 8689, 8706,
 8711, 8782, 8787, 8789, 9014, 9832, 9852, 9908, 9910,
 9912, 9913, 11016, 11112, 11113, 11115, 11117, 12189,
 12198, 12275, 12278, 13493, 13610
 America, Michigan L. 3333
 ANE, Bristol Channel 4289
 ANE, English Channel 11114
 ANW, Narragansett Bay 4383
 ASE, Italy, Lombardy 7740
 ASE, Mediterranean 3175, 7619, 10124, 11111, 11118
 ASE, Sicily 11099
 ASE, Yugoslavia 7615
 Canada 5515, 5547
 Europe, Rhine R. 4611, 7741
 Germany, D.R., Rappbode Reservoir 4317
 Germany, F.R., Wahnbach Reservoir 8801
 Germany, F.R., Westphalia 6743
 INW, Japan 13496
 Turkey 7611
 USA 5508
 USA, Nebraska, Inland waters 13491
 USA, New York, Buffalo R. 13416

- USA, North Carolina 4377
 USSR, Inland waters 5511, 12268
 USSR, Lithuania, Inland Waters 12191
 World Ocean 6737
 World waters 11149
Bacteria 13490
Escherichia coli 12270
Mucor alternans 3237
Pisces 13489
Saccharomycopsis lipolytica 12174
Scenedesmus quadricauda 8781
 Coastal zone 700
 Data processing: USA 679, 689
 Economic analysis: Canada, British Columbia, Lower Fraser R. 2013
 Equipment 533
 Equipment: USA, New Jersey 528
 Freshwater aquaculture: Italy 862
 3330
 Legislation 698
 Legislation: USA 666
 Methodology 544, 545, 546, 549
 Nutrients (mineral): America, Susquehanna R. 2014
 Oil pollution 544
 Oil removal 549
 Oil spills 538, 697
 Research programmes: USA, New Jersey 528
 3166
 Sewage effluents: ISEW, Hong Kong 2010
 7632
Pollution effects,
 3244, 3300, 4311, 4333, 4344, 4351, 4367, 5418, 5442,
 5447, 5480, 5487, 6625, 6644, 6713, 6725, 6726, 7616,
 7685, 7704, 7717, 7730, 8768, 8769, 8789, 9014, 9834,
 9913, 9937, 11065, 11123, 12161, 12162, 12198, 12205,
 12211, 12249, 12522, 12528, 13486
 America, Michigan L. 4342
 AN 7658
 ANE, Baltic 3172, 8662, 9728
 ANE, Bothnia Gulf 9899
 ANE, British Isles, Scotland 9874
 ANE, Finland, Helsinki 9686
 ANE, Finland, Ruissalo I. 9729
 ANE, Germany, F.R., Kiel Bay 9897
 ANE, Kiel Bight 5467
 ANE, Poland, Szczecin Firth 9687
 ANE, Sweden 9874
 ANW, Canada, Nova Scotia 6718
 ANW, USA, Long Island 4349
 ANW, USA, Massachusetts 4178, 4208, 4394, 7511, 9920,
 9923, 9925, 9926
 ANW, USA, New Jersey 3075, 5520
 ANW, USA, Virginia, Plum Creek 12235
 ASE, Ivory Coast, Ebrie Lagoon 10164
 ASE, Mediterranean 3233, 4265
 ASE, Messina Strait 3259
 ASE, Sicily 11099
 ASW, Caribbean 13455
 ASW, Mexico Gulf 7565
 ASW, USA, Florida, Apalachee Bay 12241
 Atmosphere 11396
 British Isles, Clyde R. 3177
 Canada, Ontario, Burlington 13964
 Europe, Wadden Sea 9961
 Hydrosphere 11396
 INE, USA, Alaska 12237
 INE, USA, California 5375, 5489
 INE, USA, California, Los Angeles 6671
 INE, USA, California, San Clemente I. 5389
 INE, USA, Oregon, Netarts Bay 4378
 Iran, inland waters 12164
 ISE, Hawaii 3292
 Israel, Inland waters 8753
 ISW, India 4320
 ISW, India, Bombay 6663
 ISW, Israel, Eilat 7720
 ISW, Kiltan Atoll 11044
 New Zealand, Waikato R. 11106
 Norway 5422
 PN, Arctic 7713, 11069
 Poland, Masurian Lake District 6711
 PSW, Magellan Strait 4306
 USA 9868
 USA, Colorado 4314
 USA, New York, Onondaga L. 11100
 USA, North Carolina, Neuse R. 13441
 USA, Virginia, Chickahominy Reservoir 5449
 USA, West Virginia, Grant County 12088
 World inland waters 12259
 World tropical regions 11432
Acartiidae: ASE, Italy 3961
Achromobacter: Japan, Ichikawa R. 2467
Acipenser gueldenstaedti 9880
Acmaea limatula: INE, USA, California 5490
Algae 3284, 11087, 11097, 12221, 12246, 12262
Algae: ANE, British Isles, Durham 6697
Algae: ANE, Eire 3305
Algae: ASE, Mediterranean 7702
Algae: INE, USA, California 5374, 9905
Amphibia: Czechoslovakia, Hron R. 10669
Anguilla anguilla 8748
Anguilla rostrata 13440
Anisogammarus confervicola 5488
Ankistrodesmus amaloides 3289
Ankistrodesmus falcatus 9872
Aplysia 3276
Aristichthys nobilis 6709
Artemia salina 9862
Artica islandica: ANW, USA 12506
Asellus meridianus: British Isles, Cornwall, Hayle R. 12263
Astacus astacus: Netherlands, Inland waters 4249
Asterionella formosa 11083
Aves: ANE, British Isles, Scotland, Firth of Forth 9892
Bacillariophyceae 12227
Bacillariophyceae: British Isles, Yorkshire, Ribble R. 8762
Bacteria: ANW, USA, Connecticut 3302
Bacteria: ASE, Yugoslavia 12252
Bacteria: Poland, Mikolajskie L. 6539
Belone belone 3295
Biophalarina glabrata 5430

- Brachydanio rerio* 13447
Brevoortia tyrannus: ANW, USA, Massachusetts 7744
Bufo boreas 6702
Cancer anthonyi: INE, USA, California 13460
Capitella capitata 7712
Capitella capitata: INE, USA, California 8780
Carassius auratus 7732, 11076, 12236
Carcinus maenas 8759
Cardium edule 13485
Ceramium 12214
Cetacea: ASE, Mediterranean 3283
Chironomus dorsalis 11060
Chlorella 11109
Chlorophyceae 11101
Chondrus crispus: ANW, USA, Massachusetts 4165
Choromyticus meridionalis 11098
Chrysemys scripta: USA, Tennessee, Reelfoot L. 13446
Clarias batrachus 8771
Clupea harengus 12218
Copepoda: ANE, Germany, Fed.Rep., Kiel Bay 12091
Copepoda: ASE, Adriatic 5484
Corophium salmonis 5488
Crangon septemspinosa: ANW, USA, New York 3014
Crangonidae 13916
Crassostrea gigas: Hong Kong 3562
Crassostrea virginica 7718, 8233, 13479
Crustacea 7708
Crustacea: ANW, USA, New York 3301
Cyanophyceae 11101
Cyclops bicuspidatus thomasi: America, Michigan L. 13457
Cyprinus carpio 5592, 11061
Daphnia longispina 11057
Daphnia magna 3288, 6706, 8745, 9880, 11059
Daphnia pulex 3289
Dasyllus aruanus 3306
Diatomaceae 6722
Dunaliella 4372
Echinodermata: ASW, USA, Florida 12257
Epischura baicalensis: USSR, Baikal L. 11062
Esox lucius 13443
Esox lucius: Stockholm Archipelago 12255
Esox niger: USA, Georgia, Suwannee R. 12224
Euglena gracilis 7710
Euplotes crassus 4372
Eurhynchium riparioides: British Isles, Wales, Ebbw Fawr R. 12180
Fragilaria crotonensis 11083
Fucaceae: ASE, Spain, Pontevedra Bay 13466
Fundulus heteroclitus 5437, 6720, 9862
Gadus morhua 8779, 13454
Gadus morhua: ANE, Norway 8775
Gambusia affinis 5494, 11067, 12225
Gammarus oceanicus 13461
Gammarus pulex 11054, 11060
Gnorimosphaeroma oregonensis 5488
Haliotis tuberculata 9870
Heliodaptomus viduus 8770
Hemicentrotus pulcherrimus 11121
Heteropneustes fossilis 6695
Huso huso 9880
Ictalurus catus 632
Ictalurus lacustris 5496
Ictalurus punctatus 4279, 4360, 11079
Insecta 12230, 13476
Invertebrata 4373
Invertebrata: ANE, British Isles, Scotland, Firth of Forth 9892
Keratella cochlearis: America, Michigan L. 13457
Leander adspersus 6717
Lebistes reticulatus 4295, 6712
Leiostomus xanthurus 4362
Lepidodermella squammata 8697
Lepomis macrochirus 11067
Leuciscus idus 648
Littorina neritoides: ANE, British Isles 3309
Lucioperca lucioperca 9880
Lutra canadensis: USA, Georgia, Suwannee R. 12224
Lymnaea emarginata 12220
Lyngbya 6715
Macoma balthica 5488
Macrophyta: ASW, USA, Florida, Apalachee Bay 11094
Makaira nigricans 11075
Mercenaria mercenaria 7714
Metazoa: Israel, Nahal Soreq 4364
Micropterus dolomieu 5496
Micropterus salmoides: USA, Georgia, Suwannee R. 12224
Microstomus pacificus: INE, USA, California 7433, 13460
Mollusca 4368
Mollusca: ASE, Spain, Rio de Pontevedra 6696
Monodonta lineata: ANE, British Isles 3309
Morone saxatilis: USSR, Inland waters 12343
Mugil cephalus 11067, 12222
Mugil cephalus: ASW, USA, Mississippi 7300
Mustela vison: USA, Georgia, Suwannee R. 12224
Mya arenaria 3303
Mytilus californianus: INE, USA, Oregon 5466
Mytilus edulis 5504, 13445
Mytilus edulis: INE, USA, California, Alamitos Bay 8778
Mytilus galloprovincialis 6717
Neanthes arenaceodentata 7712
Neanthes arenaceodentata: INE, USA, California 8780
Nereis diversicolor 7170
Nitzschia closterium 4127
Noemacheilus barbatulus 12261
Octocorallia 11081
Olor columbianus: USA, Idaho, Mission Lake 11074
Oncorhynchus: USA, Alaska, Prince William Sand 10855
Oncorhynchus kisutch 11086
Oncorhynchus nerka 13468
Ophryotrocha labronica 4372
Pagophilus groenlandicus 13487
Palaemonetes kadiakensis 5494
Palaemonetes vulgaris 5503
Panchax panchax 11089
Pelecypoda 9870, 9870
Pelecypoda: ANW, USA, Philadelphia 12172
Pelecypoda: ISEW, Taiwan 11191

Penaidae 13476

Penaeus aztecus: ASW, USA, Texas, Galveston Bay 11108

Phaeodactylum tricornutum 3281, 4372

Phasganophora capitata 13488

Phragmites communis: Sweden, Trosaan R. 9896

Physa virgata: USA, Texas 8718

Pimephales promelas 6724, 9862, 12232, 12262

Pisces 3285, 5498, 6719, 7731, 8737, 8919, 12208, 12212, 12245, 13453, 13476

Pisces: ANE, British Isles, Cornwall 12403

Pisces: ANW, USA, Florida, Apalachee Bay 5472

Pisces: ASW, USA, Texas 4395

Pisces: British Isles, Scotland, Forth R. 5424

Pisces: Germany, F.R., Lower Saxony 10857

Pisces: Germany, F.R., Lower Saxony, Weser R. 8774

Pisces: Hawaii 3252

Pisces: INE, USA, California, Point Loma 7676

Pisces: PSW, South Africa Rep. 9340

Pisces: USA, Indiana, White R. 5505

Pisces: USA, Missouri, Missouri R. 6723

Pisces: USA, Virginia, New R. 8766

Platichthys flesus 3293

Pleuronectes platessa 8744

Plumatella fungosa 8767

Poecilia reticulata 9872

Polychaeta 12253

Polychaeta: ASE, Italy 7701

Posidonia australis: ISW, Australia, Western Australia,

Cockburn Sound 7346

Posidonia australis: PSE, Australia, New South Wales,

Botany Bay 10702

Posidonia oceanica: ASE, France, Marseilles Gulf 7562

Procambarus simulans 5494

Rana temporaria 3286, 11070

Rangia cuneata 5494

Rhithropanopeus harrisi 8739

Rhombus maeoticus: ASE, Black Sea 9881

Salmo 11055

Salmo: Norway, Tovdal R. 12240

Salmo gairdneri 3287, 4292, 4355, 5506, 6328, 7716,

8749, 9887, 11021, 11029, 12226, 12260, 13471, 13474

Salmo irideus 11061

Salmo salar 13444

Salmo trutta 11061, 13481

Salmo trutta: USA, Wisconsin, Black Earth Creek 4343

Salmonidae 13469

Salvelinus fontinalis 3290, 11013, 11028, 12260

Salvelinus fontinalis: USA, North Carolina 11139

Scleractinia 11081

Scomber japonicus 12231

Scrobicularia plana 8759

Simuliidae: Germany, Fed. Rep., Baden-Wuerttemberg,

Mettma R. 423

Solea lascaris 6717

Solea vulgaris: ASE, Egypt, Arab Rep., Alexandria, Abu

Kir Bay 3271

Spartina 4359

Spartina alterniflora: ASW, USA 9866

Spicara smaris 6717

Spirodela oligorrhiza 9901, 9902

Teleostei 11107, 11798, 12207

Tellina tenuis 2454

Tellina tenuis: ANE, British Isles, Ayr. 3310

Thynnus orientalis 11088

Tisbe dilatata 4372

Trionyx spinifer: USA, Tennessee 7706

Uca 12234

Uca pugnax 12247

Venerupis decussata 5495

Xanthophyceae 11101

Xenopus laevis 9485

3269

Benthos: ANE, Sweden 634

Benthos: INE, USA, Alaska 3268

Bioaccumulation: *Crassostrea virginica*: ASW, USA,

Texas, Galveston Bay 622

Biosynthesis: *Palaemon adspersus* 638

Chemical pollutants: *Salmo gairdneri* 509

Communities 611, 627

Controlled conditions: *Palaemon adspersus* 638

Diseases: *Microstomus pacificus* 398

Dissolved oxygen: INE, USA, Alaska 3268

Dissolved oxygen: *Oligochaeta* 658

Ecosystems 611

Environmental factors 611

Feeding behaviour: *Palythoa variabilis* 1984

Fisheries 697

Food chains 610

Geographical distribution: *Noemacheilus*

barbatulus 1990

Heavy metals 609, 4357, 4358

Heavy metals: *Ostreidae* 2002

Indicator organisms: Germany, F.R. 3329

Life cycle: *Oncorhynchus gorbuscha*: PNW, Arctic,

Prudhoe Bay 618

Marine pollution 495

Mercury: *Salmo gairdneri* 653

Microorganisms 644

Oil pollution: *Aves*: INE, USA, California, San Francisco

Bay 604

Oils: *Palaemon adspersus* 638

Pesticides 609

Phytoplankton 608

Pollution monitoring: *Mytilus edulis* 1942

Sediments: *Gonyaulax tamarensis* 3291

Speciation 1433

Vegetation cover: PNW, Arctic, Mackenzie Valley 619

Zooplankton 1971

Zooplankton/Oil pollution 623

Pollution monitoring,

3184, 3202, 3213, 3215, 3216, 3241, 4267, 4269, 4274, 4276, 4281, 4287, 4293, 4294, 4300, 4376, 4379, 4609, 5426, 5438, 5439, 5442, 5443, 5444, 5445, 5450, 5453, 5516, 5801, 6627, 6628, 6630, 6635, 6637, 6667, 6678, 6691, 6742, 7636, 7637, 8692, 8694, 8695, 8700, 8703, 8710, 8713, 9821, 9822, 9823, 9824, 9825, 9826, 9827, 9828, 9834, 9871, 9915, 9937, 11020, 11022, 11024, 11026, 11030, 11034, 11066, 11110, 11121, 11136, 13423, 13424

America, Great Lakes 6728

America, Michigan L. 6631

- ANE 7661
 ANE, Bristol Channel 4289
 ANE, Eire 6948
 ANE, Finland, Helsinki 9900
 ANE, France 1950, 3210, 5455, 5512
 ANE, Germany F.R. 9829
 ANW, USA 5485
 ANW, USA, Chesapeake Bay 11019
 ASE, France 1950, 3210, 5455, 7672
 ASE, Italy, Venice Lagoon 9849
 ASE, Mediterranean 5780, 7663, 11111
 ASW, Mexico Gulf 9853
 ASW, Puerto Rico 4329
 British Isles, Hertfordshire 4291
 Eire 6948
 Ethiopia, Inland waters 4286
 Europe coasts 11119
 France 6622
 Germany, D.R., Wipperf 6744
 Germany, F.R., Nordrhein-Westfalen 4385
 NE, USA, California 13494
 ran, inland waters 12164
 SEW, Hong Kong 3171
 Japan, Kitakyushu 5420
 USA 6734
 USA, Coasts 6728
 USA, Colorado, Rocky Flats 6659
 USA, Florida, Inland waters 8060
 USA, Michigan 4318
 USA, Nevada, Carson R. 4330
 USA, New York, Fall Creek 8788
 USA, Virginia, Chickahominy Reservoir 5449
 Bacteria 3239, 3312, 3317, 9837
 Bacteria: INE, USA, California, Santa Monica Bay 7675
 Bacteriophages 8790
 Crassostrea virginica 3315
 Cristigera 9906
 Crustacea 5448
 Ephemerella grandis 9819
 Escherichia coli 8716, 13418
 Eurhynchium riparioides: British Isles, Wales, Ebbw Fawr
 R. 12180
 Favites virens: ISEW, Marshall Isl. Bikini 3182
 Metacurus punctatus 4279
 Leibes reticulatus 4295
 Mytilus: INE, USA, California 11027
 Mytilus galloprovincialis: ASE, Venice Gulf 11068
 Ophryotrocha 8743
 Ostreidae: PSW, South Africa, Knysna Estuary 9891
 Pisces 6339, 7634, 8737, 12175, 13489
 Pisces: America, Michigan L. 4328
 Platycephalus bassensis: PSE, Tasmania 4380
 Pteronarcys californica 9819
 Salmo gairdneri 9887
 Salmo gairdneri: Netherlands 4292
 Detergents: Lepomis macrochirus 647
 Industrial wastes: ANE, Sweden 634
 International organizations 3335
 Metals: Canada, Ontario 3179
 Methodology 547, 548, 555, 1983
 Oil pollution 548
 Oil spills 558
 Oil spills: ASW, USA, Texas 559
 Pesticides 705
 Pollution effects: Pisces: Germany, Fed. Rep., Weser
 R. 2008
 3166, 3198
 Standardization 7628, 7629, 7633
Pollution surveys,
 3184, 3216, 4382, 5516
 A, Atlantic 12193
 ANE, Baltic 8715
 ANE, British Isles, Cornwall 7609
 ANE, British Isles, Swansea Bay 3183, 6730, 6731, 6732,
 6735, 6736
 ANE, Norway, Utsira 5421
 ANW, USA, Massachusetts 9924
 ASE, Adriatic 3243
 ASE, France 1951
 ASE, Mediterranean 1951, 3174
 ASE, Turkey, Izmir Bay 7647
 ASW, Caribbean 9820
 INE, USA, California 4386, 6646, 6751
 INE, USA, California, San Pedro Bay 4322
 INW, Japan, Inland Sea 11050
 Marshall Is., Bikini 9911
 PN, Arctic 11103
 PSW, Magellan Strait 4306
 USA, Iowa 8733
 USA, Tennessee, Pigeon R. 4340
 Bacteria: ANW, Chesapeake Bay 12194
 Enterobacteriaceae: Canada, Great Lakes Region 8696
 Benthos: INE, USA, California 599
 Research programmes: ANW, USA, Maryland,
 Chesapeake Bay 1101
 Sediment analysis: INE, USA, California 599
 Water quality: ISEW, Hong Kong 2009
Polymorphism,
 Alosa aestivalis 5055
 Asellus aquaticus 8274
 Asplanchna sieboldi 8627, 12794
 Balanus balanoides 5319
 Blepharisma japonica 9208
 Bosmina longirostris: INE, USA, Washington, Seattle,
 Union Bay 8622
 Caedobacter taeniospiralis 9108
 Chaetophoraceae 9122
 Chlamys 4173
 Cichlasoma: Mexico, Cuatro Ciénegas Basin 3054
 Cirripedia: ANE, British Isles 9304
 Cirripedia: ASE, France 9304
 Corallina officinalis 5981
 Coregonus pollan 10584
 Corycus lanceolatus: PSW, Argentina, Puerto
 Deseado 11461
 Cyprinus carpio 6243
 Daphnia magna: British Isles, England, Audley
 End 9680
 Gammarus insensibilis 9303
 Gastropoda 10791
 Gnorimosphaeroma 8620
 Linckia: ISEW, Guam 11560

- Littorina squalida*: INW, Busset Lagoon 12052
Macoma: INE, USA, Washington, San Juan Is. 4924
Mesovelia mulsanti 12932
Mytilus californianus: INE, USA, Washington 9254
Mytilus edulis: ANW, USA, Maine 12857
Nausitora 6093
Oncorhynchus kisutch 12049
Ovatella 6092
Pelecypoda 10791
Pisces 5298
Potamopyrgus jenkinsi 4896
Pseudacris triseriata: USA, Colorado 8625
Salmo gairdneri 9442
Salmo salar: ANE, Baltic 9681
Salmo salar: PNW, White Sea 9681
Salmonidae 6543, 10600
Salvelinus alpinus: Holarctic Region 9383
Saprolegnia anisospora 4749
Sardina pilchardus 4012
Scenedesmus 11474
Sphaeriidae: USSR 10427
Sphaeroma 1431
Tisbe 9303
Tokophrya lemnae 9210
Turbonilla: ANW, USA, Connecticut 7178
Enzymes: *Platichthys stellatus*: I, Pacific 1550
Predation: *Asplanchna* 9675
Proteins: *Salvelinus* 1493
Sexual reproduction: *Asplanchna* 1686
- Polypliods,**
Ambystoma 10672
Artemia salina: India, Jamnagar 10900
Bulinus: Kenya, Inland waters 13149
Cobitis biwae: Japan 12997
Didymium iridis 10275
Isospondyli 9389
Salmo clarki 10597
- Pond construction,**
13589, 13655, 13662, 13679
Philippines 13580
USA, Ohio, Columbus 7065
Aquaculture 848
- Ponds,**
4707, 8720, 10705, 13630
France, Guernsey peninsula 10247
India, Barrackpore 13682
India, Dharwar, inland waters 10704
ISW, Aqaba Gulf 11368
USA, Illinois 13638
Aedes stimulans fitchii: USA, Michigan 10888
Algae: Czechoslovakia, Bratislava 8613
Algae: India, Kanpur 8831
Anguilla anguilla: France, Guernsey peninsula 10247
Bacillariophyceae: Czechoslovakia, Bohemia, Rezabinec Reservation 8099
Bacteria: USSR, Ukraine 5952
Branchinecta paludosa: ANE, Norway, Oppland, Yelsbotn 9531
Castor: USA, Arizona 13078
Chironomidae: USA, Pennsylvania, Linesville Creek 9319
Chlorophyta: British Isles, England, Somerset 9115
Invertebrata: India, Burdwan 13368
Labeo rohita 13693
Lepomis macrochirus 9801
Nitocra spinipes: ASE, France, Camargue 11657
Penaeidae 12032
Pisces 11348
Salmonidae 13675
Tipula sacra: Canada, Alberta, Kananaskis Valley 8316
Freshwater oxygen: *Salmo gairdneri* 2094
Mortality causes: *Pisces*: Canada, Manitoba 2114
Phytoplankton: India 449
Seasonal variations: British Isles 51
- Population control,**
Asellus aquaticus 8272
Bulinus truncatus: Egypt, Arab.Rep. 5542
Culicidae: USA 2031
Saprochelone gigantea: ISW, Aldabra Atoll 9798
Pisces 7720
Strongylocentrotus droebachiensis: ANW, Canada, Nova Scotia, St.Margaret's Bay 13406
- Population density,**
INW, Japan 4229
Acanthaster planci: ISEW, Great Barrier Reef 9735
Aeshna viridis: Germany, F.R., Schleswig-Holstein 9544
Alcyonidium polyomm 7364, 9804
Algae 2982, 8071
Anguilla: Africa, Kariba L. 7493
Anguilla anguilla: Eire 13826
Ascophyllum nodosum: ASE, Spain, Vigo Rio 13322
Astropecten aranciatus: ASE, France, Provence 9617
Bacteria: America, Erie L. 8998
Bacteria: ANE, North Sea 5294
Bryozoa: PSE, New Zealand, Leigh 9619
Chironomidae: British Isles, Northern Ireland, Lough Neagh 12030
Chironomidae: Italy, Martignano L. 12090
Chlorella vulgaris 11864
Copepoda 2707
Cystoseira sediodetes: ASE, Tunisia, Bizerte 7488
Dreissena polymorpha: Poland, Mikolajskie L. 6611
Eiseniella tetraedra: USA, Colorado 13336
Fragilaria oceanica: ISW, India, Mangalore 10924
Gammarus insensibilis: ASE, France 6156
Gastropoda 5302
Geochelone gigantea: ISW, Aldabra Atoll 9798, 9799
Hemiptera 12934
Hypophthalmichthys molitrix: Poland, Masurian Lakeland 6615
Invertebrata: ANE, Baltic 9726
Invertebrata: ANE, Kiel Bight 9724
Lytechinus variegatus: ASW, Jamaica, Kingston Harbour 11970
Mollusca: British Isles, Cambridgeshire, Great Ouse R. 8612
Notommatia copeus 12033
Notonecta glauca 4110
Pacifastacus leniusculus: USA, California, L.Tahoe 6606
Parechinus angulosus 13130
Pectinaria gouldii: ANW, USA, New Jersey, Barnegat

- Bay 9670, 9670
Perna perna: ASE, Tunisia, Bizerte 7488
Poecilia reticulata 8569, 12035
Rutilus rutilus: Czechoslovakia, Bohemia, Klicava reservoir 4170
Salmo trutta: Sweden 10811
Salmo trutta: USA, Michigan, Pine R. 10738
Scylla serrata: PSW, South Africa 5305
Spirorbis spirorbis 7364, 9804
Talorchestia longicornis: USA, Massachusetts 10842
Tridacnidae: ISEW, Palau Is., Helen Reef 12448
Biomass: Pisces: Uganda, George L. 1901
Growth rate: Keronopsis rubra 428
Sediment analysis: Tubificidae: Austria, Inn R., Schaerding-Neuhaus 2018
- Population dynamics,**
 10893, 12520
 A, Atlantic 12039
 ANE, Baltic 9728
 SE, Columbia 4231
 Poland, Smolak L. 6568
 PS, Antarctica 5640
Acantharia: A, Atlantic 4195
Acanthaster planci: ISEW, Great Barrier Reef 7561, 9734
Aedes stimulans-fitchii: USA, Michigan 10888
Algae 3154
Algae: British Isles, Northern Ireland, Neagh L. 13351
Algae: Germany, D.R., Saale R. 5303
Algae: INE, USA, Washington 10955
Ampelisca brevicornis: ANE, Germany, F.R., Helgoland 6538
Amphibia: Ivory Coast 13337
Amphipoda: ASE, Black Sea 3036
Anguilla anguilla: ANE, Baltic 13828
Anisoptera: Mexico, Mazatlan, Inland waters 12925
Anopheles gambiae: Kenya, Kano Plain 8310
Arctocephalus forsteri: PSE, New Zealand, Open Bay I. 7496
Astacus astacus: Germany, F.R., North-Rhine Westphalia 9530
Bacteria: Poland, Mikolajskie L. 6539
Bacteria: USA, Tennessee, Reelfoot L. 13333
Balaenoptera: PS 13326
Balaenoptera physalus: A, Southern Hemisphere Oceans 13830
Brachydanio rerio 13447
Caryophyllaeus laticeps: Sweden, Dröttningholm, Malaren L. 12038
Chrysophrys major: ISEW, East China Sea 10038
Cirolana harfordi 13335
Cladocera: Italy, Mantova L. 13327
Cladocera: USA, Michigan, Lawrence L. 8617
Cladophora: ANE, Baltic 9739
Clemmys guttata: ANW, USA, Pennsylvania 8421
Clupea harengus: ANE, North Sea 6875
Clupeonella engrauliformis: USSR, Caspian Sea 10884
Cololabis saira: INW, Japan 13328
Colpidium campylum 8557
Corophium triaenonyx: ISW, India, Visakhapatnam 13179
Crangon crangon 9554
Crustacea: ANW, St. Lawrence estuary 9690
Culex pipiens 8618
Cypraea cinerea: ASW, Jamaica 2600
Cyprinodon: USA, California, Zzyzx Spring 8621
Diaptomus 12138
Diaptomus dorsalis: Pakistan, Kinjher L. 13358
Diastylopsis dawsoni: INW, Japan, Hokkaido 9767
Diatoma elongatum: Netherlands, Tjeukemeer 3037
Diatomeae: ANW, USA, Delaware Bay 8652
Diatomeae: Yugoslavia, Ohrid L. 8629
Ephemerella ignita: British Isles, Dorset, Bere Stream 10891
Eretmochelys imbricata: ISW, Seychelles 9476
Euchaeta norvegica: ANE, Norway, Korsfjorden 3044
Eudiaptomus graciloides: Denmark, Esrom L. 422
Eudiaptomus intermedius: Italy, Santo Parmense L. 12902
Euphausiidae: ANE, Norway 3045
Fucus: ANE, Baltic 12110
Gammarus palustris: ANW, USA, Maryland 10892
Genypterus capensis: PSW, Southern African Coast 10804
Gonyaulax tamarensis: ANW, USA, Maine 7492
Helisoma anceps: USA, New York, Moe Pond 5306
Idotea chelipes: ANE, Baltic Sea, Schlei Fjord 3041
Invertebrata: Poland, Masurian Lakeland 13392
Labidocera aestiva: ANW, Cape Cod Bay 6555
Lutra lutra: Germany, D.R. 8616
Lymnaea truncatula: Portugal, Inland waters 5150
Mallotus villosus: ANE, Norway 5636
Mallotus villosus: PNW, Barents Sea 3434
Merluccius merluccius: ASE, Spain 6871
Nototodarus sloani: PSE, New Zealand 13852
Oligocottus maculosus: INE, USA, California, Trinidad Bay 7491
Oncorhynchus: I, Pacific 12040
Oncorhynchus gorbuscha: INW, USSR, Primor'e 1000
Oncorhynchus keta: USSR, Kamchatka 5301
Oncorhynchus nerka: USA, Idaho, Pend Oreille L. 13868
Oscillatoria agardhii: Netherlands, Flevoland Lakes 11084
Oscillatoria redekei: British Isles, Longh Neagh 2974
Panulirus longipes: ISW, Australia 7854
Penaeidae: ASW, Mexico Gulf 5629
Penaeus japonicus: INW, Japan, Seto Inland Sea 13329
Peridinium cinctum: Israel, Kinneret L. 1332
Phoca caspica: USSR, Caspian Sea 11236
Phoca vitulina: ANE, North Sea 6441
Phragmites communis 3129
Physa gyrina: Canada, Alberta, Wabamun L. 9877
Physa virgata: USA, Texas 8718
Physeter catodon 13849
Pinnipedia: IN 1809
Pinnipedia: PSE, McMurdo Sound 1818
Pisces 6719
Pisces: Czechoslovakia, Bohemia 9545
Pisces: INE, USA, California 9941
Pisces: INW, Yellow Sea 10799
Pisces: ISEW, East China Sea 10799

- Pisces*: USA, Montana, Flathead L. 13116
Pisces: USA, New York, Oneida L. 7495
Platanista gangetica: India, Indus R. 9674
Poecilia reticulata 12035
Pomacea paludosa: USA, Florida, Everglades 5307
Potamothenix hammonienensis: Denmark, Esrom L. 12037
Rana temporaria: British Isles, East Anglia 9669
Sabellaria alveolata: ANE, British Isles, Cornwall 7494
Salvelinus namaycush: America, Superior L. 3046
Simulium virgatum: USA, Oklahoma 4999
Spheniscus demersus 8619
Squilla mantis 13330
Stenella: ISE 13840
Tabanidae: USA, Mississippi R. 8615
Tecticeps japonicus: INW, Japan, Hokkaido 9767
Theragra chalcogramma: INE, Bering Sea 1824
Thunnus thynnus: A, Atlantic 3032
Thunnus thynnus: ANE, North Sea 6491
Tisbe holothuriae 3038, 5299, 12034
Trachurus trachurus: PSW, South West Africa 10885
Tresus capax: INE, USA, California, Humboldt Bay 7860
Tricladida: British Isles, Caernarvonshire 4246
Turbellaria: ANE, North Sea, Sylt Isl. 4168
Zalophus californianus 13843
Community composition: *Bacteria*: Spain, Gerona, Vila L. 1283
Courtship: *Poeciliopsis* 426
Environmental effects: *Pisces*: British Isles, Westmorland, Tees R. 1822
Fishery management: *Pisces* 421
Freshwater ecology: *Algae*: America, Erie L. 3039
Life cycle: *Copepoda*: ASE, Adriatic 1418
Life cycle: *Evadne nordmanni*: ASE, Adriatic 1420
Palaeontology: *Brachiopoda* 1823
Population parameters: *Aedes* 3357
Reproduction rate: *Oncorhynchus gorbuscha*: INW, Okhotsk Sea 999
Reproduction rate: *Oncorhynchus keta*: INW, Okhotsk Sea 999
Seasonal variations: *Bithynia inflata*: USSR, Siberia, Tomsk 3042
Seasonal variations: *Calamus bajonado*: ASW, Campeche Bank 1817
Seasonal variations: *Haemulon aurolineatum*: ASW, Campeche Bank 2170
Stock assessment: *Homarus gammarus*: ASE, France, Brittany 989
Stomach content: *Ictalurus punctatus*: USA, North Dakota, Oahe L. 7500
Stomach content: *Ictalurus punctatus*: USA, South Dakota, Oahe L. 7500
Zooplankton: Germany, Fed. Rep., Baden-Wuerttemberg, Titisee L. 1842
- Population genetics,**
6388
Acropora formosa 13374
Anguilla anguilla: ASE, Mediterranean 13339
Artemia salina: India, Jamnagar 10900
Ascidia mentula: ANE, Plymouth Sound 6360
Ascidia mentula: ANE, Scotland 6360
- Ascidia mentula*: ASE, Naples Gulf 6360
Asplanchna sieboldi 8627
Asteroida 1828
Bryozoa 13342
Chlamys 4173
Chlamys opercularis: ANE, British Isles, Wales, Anglesey 4935
Chlamys opercularis: ANE, Isle of Man 4935
Cyprinidae 5320
Cyprinidae: Czechoslovakia 12356
Cyprinus carpio 11805
Daphnia magna: British Isles, England, Audley End 9680
Dugesia indonesiana: Java 8171
Euphausia 7506
Fundulus diaphanus: USA, New York, Hudson R. 7509
Gasterosteus aculeatus: USA, California, Friant 9679
Gnorimosphaeroma 4085, 8620
Gobiosoma: ASW, Venezuela 5310
Gonium pectorale 12048
Gymnocephalus cernua: ANE, Sweden, Hamnefjaerden Bay 12051
Haliotis gigantea 10444
Hyla 6545
Idotea balthica: ASE, Italy, Venice Lagoon 9574
Jaera ischiosetosa: ANE, Europe 8271
Litoria: Australia, Victoria 13338
Littorina squalida: INW, Busset Lagoon 12052
Lymnaea palustris: USA, New York 5309
Menidia 10595
Mytilus californianus: INE, USA, Washington 9254
Mytilus edulis: ANE, British Isles, England, Cornwall, Rock 10905
Mytilus edulis: ANW 10901
Mytilus galloprovincialis: ANE, British Isles, England, Cornwall, Rock 10905
Pinctada fucata: INW, Japan 6548
Plethodon cinereus 10902
Pseudacris triseriata: USA, Colorado 8625
Salmo gairdneri 434, 9410
Salmo salar: British Isles, Inland waters 6546
Salmonidae 6543, 9678
Theragra chalcogramma: INW, Japan 3052
Tisbe clodiensis 9676
Tridacna maxima: ISEW, Great Barrier Reef, Heron I. 10904
Tridacna maxima: ISEW, Marshall Is., Eniwetok Atoll 10904
Environmental effects: *Mytilus edulis* 433
Length-weight relationships: *Salmo gairdneri* 2087
Serological studies: *Salmo gairdneri* 2095
Sexual maturity: *Salmo gairdneri* 2087
- Population growth,**
Amphipoda: ASE, Black Sea 3036
Asterionella formosa: USA, Pennsylvania, Edinboro L. 12056
Bacteria 5493
Colpidium campylum 5254
Invertebrata 4133

- Phaeodactylum tricornutum* 4126
Platymonas subcordiformis 4126
Salmonidae: USA, Idaho, Selway R. 13856
- Population parameters,**
 13372, 13805
- Abramis brama*: ASE, Azov Sea 12041
Anguilla: ASE, Adriatic 13311
Chondrus crispus: ANW, USA, Massachusetts 4165
Concholepa concholepa: PSW, Chile 13313
Ephemeroptera: Sweden, Lapland, Vindelaelven R. 8639
Gasterosteus aculeatus: Canada, Queen Charlotte Is. 10906
Lates niloticus: Africa, Rudolf L. 11718
Lota lota: USA, Minnesota, Lake of the Woods 4502
Lucioperca lucioperca: ASE, Azov Sea 12041
Mallotus villosus: ANW, Gand Banks 13773
Mollusca: Canada, Quebec, Gatineau Park 5362
Plecoptera: Sweden, Lapland, Vindelaelven R. 8639
Protozoa: ASW, USA, Alabama, Mobile Bay 4243
Rutilus rutilus: ASE, Azov Sea 12041
Salmo salar: ANE, Baltic 10058
Sardina pilchardus 11211
Scyllarus posteli: ASE, Spain, Cadiz Bay 13148
Sparus auratus: ASE, Spain, Cadiz 12940
Spheniscus demersus 8619
Stenella coeruleoalba: INW, Japan 13838
Sternotherus: USA, Florida 10880
Thunnidae: INE 2049
Thunnidae: ISE 2049
Thunnus thynnus: ANW 13319
Upeneus moluccensis: ISEW 13809
 Age composition: *Osteichthyes*: USA, South Dakota, Oahe L. 7434
 Biology: *Lutjanidae*: ASW, Jamaica 1489
 Coral reefs: *Pisces*: ASW, Jamaica 1030
 Life cycle: *Hiodon alosoides*: USA, South Dakota, Oahe L. 7499
 Seasonal variations: *Panulirus*: ASW, Brazil, Ceara 2156
- Population structure,**
Acmaea limatula: INE, USA, California 5489
Ancylus fluviatilis 4254
Boreogadus saida: PNW, Barents Sea 12019
Cerastoderma edule 9667
Cryptobranchus alleganiensis: USA, Missouri, Niangua R. 10809
Dicologlossa cuneata: ASE, Biscay Bay 9612
Eurycea neotenes: USA, Texas, Kerr County 10881
Gadus morhua: AN, Greenland 13290, 13290
Homarus americanus: ANW, USA, Maine 11254
Kalyptorhynchia: ANE, North Sea, Sylt Isl. 4168
Labeo 6535
Lacuna vincta: ANW, USA, Massachusetts 5296
Lates niloticus: Egypt, Arab Rep., Nasser L. 13810
Littorina littorea: ANE, France 8611
Melanogrammus aeglefinus: ANE, Norwegian Basin 12017
Melanogrammus aeglefinus: PNW, Barents Sea 12017
Mellita zeylanica: India, Veli L. 6537
Microgadus tomcod: ANW, Canada, Chaleurs Bay 7489
Microgadus tomcod: ANW, St. Lawrence Estuary 7489
- Modiolus modiolus* 9667
Morone saxatilis: ANW, USA, New Jersey 4167
Mytilus edulis 9667
Nephtys hombergii 10879
Niphargus rhenorhodanensis 13219
Oncorhynchus kisutch: INW, USSR, Kamchatka 996
Osmerus eperlanus: USSR, Inland waters 9381
Penaeus latissulcatus: ISW, Australia, Western Australia 13786
Perca fluviatilis: Finland, Kiutajaervi L. 10882
Physeter catodon: PSE, New Zealand, Muriwai Beach 1813
Pisces 5298
Pisces: INE, California Gulf 9579
Pisces: INE, Canada, British Columbia 6536
Pisces: INE, USA, California 6536
Pyrosoma atlanticum: ASE, Ligurian Sea 1814
Sebastes alutus: IN 7485
Spheniscus demersus 8619
Spisula solida: ANE, British Isles, Musselburgh 3028
Squilla mantis 12029
Sternotherus: USA, Florida 10880
Thunnus albacares: ISEW 9780
Thunnus obesus: ISEW 9780
Turbellaria: ANE, North Sea, Sylt Isl. 4168
Turritella communis: ANE, British Isles, Musselburgh 3028
Zostera: ANE, Wadden Sea 7563
 Buoys: ASE, Mediterranean 1868
 Feeding: INE, USA, California 417
 Fisheries: *Scomberomorus maculatus*: ASW, Mexico Gulf 259
 Geographical distribution: *Ostracoda*: ANE 1854
- Population studies,**
Acetabularia mediterranea: ASE, Naples Gulf 12749
Acmaea limatula: INE, USA, California 5490
Enallagma cyathigerum: British Isles, Cheshire, Dunham Park 5308
Haemulon aurolineatum: ASW, Campeche Bank 2170
Nephrops norvegicus: ANE 1422
Nephrops norvegicus: ASE, Mediterranean 1422
Oncorhynchus tshawytscha: USA, Idaho 13334
Peyssonnelia atropurpurea 1812
Phragmites communis 3128
Pisces 9673
Salamandra salamandra: Germany, D.R., Elbe valley 5311
Salmonidae: USA, Idaho 13866
Salmonidae: USA, Idaho, Silver Creek 13867
Salvelinus alpinus: INW, Commodore Is., Bering I. 7276
Salvelinus alpinus: USSR, Kamchatka 9383
Spicara smaris: ASE, Black Sea 9514
Spicara smaris: ASE, Mediterranean 9514
 Marine ecology: *Fungi*: ANE, Helgoland Bight 420
 Seasonal variations: *Calamus bajonado*: ASW, Campeche Bank 2177
- Potential yield,**
 World Ocean 7783
Algae: INE, Puget Sound 2139
Buccinum undatum: ANW, St. Lawrence Estuary 4472
Chlamys islandica: ANW, St. Lawrence Gulf 13761

- Gadidae*: ANW 12430
Katsuwonus pelamis: ASE 12440
Paralichthys dentatus: ANW 12454
Penaeus: ASW, USA, Louisiana 4495
Pisces: ANW, Scotian Shelf 12433
Pisces: ISEW, Sunda Shelf 10031
Pisces: ISW, India 501242
Placopecten magellanicus: ANW, St. Lawrence Gulf 13761
Scombridae: ASW, Brazil 3476
Stenella coeruleoalba: INW, Japan 13838
Thunnus alalunga: A, Atlantic 12442
 Fisheries data: *Clupea harengus*: ANE, Finland Gulf 984
 Fisheries data: *Clupea harengus*: ANE, Riga Gulf 984
 Stock assessment 1020
 Whaling 1019
- Power plants,**
 11431
- Precipitations (atmospheric),**
 4573, 4696, 8065, 10199
 Africa, Inland waters 11401
 British Isles 8055
 British Isles, Wales 8054
 Europe, Geneva L. 2406
 France, Jura Mts., Valserine Basin 8056
 Germany, F.R., Bavaria 8067
 Norway 5422
 USA, Washington, North Cascades 8063, 8064
 Lead: INW, Japan 1192
 Water resources: INE, USA, Alaska, Barrow 1221
- Predation,**
 8570, 8681, 11005, 12036, 13403
Acanthaster planci: ISEW, Great Barrier Reef 6580
Aeolidia papillosa 7411
Alepisaurus ferox: INW, Japan, Suruga Bay 13248
Anophelina: Maldive Isl. 4420
Argyroneta aquatica 12933
Asplanchna sieboldi 13264
Asteroida 9814
Asteroida: INE, USA, California, Pacific Grove 8685
Aulosomus maculatus 10834
Aves 3155
Aves: ANE, British Isles, Scotland, Firth of Forth 9892
Bacteria 12270
Bosmina longirostris: INE, USA, Washington, Seattle, Union Bay 8622
Bufo bufo 10985
Calanus: ANE, North Sea 8634, 9810
Cirrhitus pinnulatus 10991
Cittarium pica: ASW, USA, Florida 6423
Conus bullatus 4117
Conus marmoreus 4117
Coregonus clupeaformis: America, Michigan L. 11249
Coryphella rufibranchialis *Tubularia larynx* 1737
Crangon crangon: ANE, Germany, F.R., North Sea 6599
Culex fatigans 7449
Cyanocitta cristata 8440
Cyanoplax hartwegii: INE, USA, California, Pacific Grove 8683
- Daphnia magna* 13361
Esox lucius 10753
Eumetopias jubatus: INW, Kuril Is. 9629
Glycymeris 11983
Homarus americanus: ANW, Canada, Nova Scotia, St. Margaret's Bay 10849
Hydromantes italicus 13198
Hyperocche medusarum: INE, Canada, British Columbia, Departure Bay 11971
Labroides phthirophagus 10991
Larus occidentalis: INE, USA, California, Monterey County 8684
Littorina: ANW, British Isles 12149
Littorina saxatilis 4250
Marisa cornuarietis 5542
Mergus merganser: Sweden, Moeckeln L. 11830
Mesogomphus lineatus 11974
Mnemiopsis leidyi: ANW, USA, Virginia, York R. 10993
Murex insularum 4146
Mustela vison 9596
Mya arenaria: ANW, Canada, Quebec 5571
Mysidacea: ANE, Baltic 5492
Mytilidae: ASE, Black Sea 11886
Natica gualteriana 8575
Notropis: USA, Wisconsin, Roxbury R. 13389
Nudibranchia: ANW 7378
Nuttallina californica: INE, USA, California, Monterey County 8684
Ocypode quadrata: ANW, USA, North Carolina 10831
Oliva sayana 12153
Orcinus orca: ISW, Hog Island (Crozet Group) 9600
Panagrellus redivivus 12786
Plectrocnemia conspersa: British Isles, Sussex 8679
Poecilia reticulata 8569
Protohydra leuckarti 4244
Protozoa 12270
Pugettia producta: INE, USA, California, Monterey Bay 12842
Pycnopodia helianthoides: INE, USA, Alaska, Prince William Sound 5264
Rana temporaria 10985
Salmonidae: Canada, British Columbia 6601
Sialis fuliginosa: British Isles, Sussex 8679
Sphaerocystis Schroeteri 11962
Spinachia spinachia 9616
Spirula spirula: ISW 3160
Stomatopoda 10468
Teleostei: Sweden, Inland waters 12160
Tonicella lineata: INE, USA, California, Pacific Grove 8685
Toxoglossa 5371
Tricladida: British Isles, Caernarvonshire 4246
Triturus cristatus 10985
Triturus vulgaris 10985
Uca pugnax: ANW, USA, New Jersey, Great Bay Marsh 11095
Zoopagales 9106
 Cannibalism: *Notonecta hoffmanni* 1732
 Feeding behaviour: *Leptodactylus pentadactylus*: Costa Rica 1725

Food availability: *Notonecta hoffmanni* 1731
 Food composition 2985
 Food composition: *Oncorhynchus keta*: INE, Puget Sound 1739
 Genetics: *Asplanchna* 9675
 Methodology: *Hermodice carunculata Stoichactis helianthus* 1726
 Models 489
 Zooplankton: *Carassius auratus* 1741
Predator control,
Acanthaster planci 7561
Pinnipedia: PSW, South Africa 3377
Predators,
Acanthaster planci: ISEW, Great Barrier Reef 13510
Gastropoda: World oceans 6607
Tintinnidae: ASW, USA, Florida 6004
Predictions,
 12449
 Atmosphere 10204
 Canada, Prairies R. 9051
Haplochromis burtoni 10757
 Abundance: *Pisces*: ASE, Canary Current 450
 Spawning migrations: *Oncorhynchus gorbuscha*: INE, USA, Alaska 965
Preservation (fishery products),
 3554, 5669, 5687, 8871, 8891, 8892, 8895, 10075, 11260
 Spain 10126
Callinectes sapidus 5676
Clupeonella 5680
Crangon crangon 5699
Crangon vulgaris 10069
Cyanophyceae 11262
Gadidae 5688
Gadus morhua 5690, 5691, 8884
Ictalurus punctatus 5695
Macrourus berglax 5678
Merluccius gayi peruanus 12481
Merluccius merluccius 5692
Panulirus: Brazil 3528
Pectenidae 13895
Penaeidae 12470
Sardina pilchardus: France 5682
Sardinella aurita 5696
Xiphopenaeus kroyeri 12479
 Processing fishery products: Panama 1050
Pressure effects,
 11325, 12725
Algae 11531
Anguilla anguilla 10614, 11795
Antimora rostrata 6288, 6289, 6291, 6300
Bacteria 5201
Chaoborus 5528
Chelonia 11845
Copepoda 7400
Crustacea 6173
Gammarus 5528
Homo sapiens 8966
Limulus 10497
Morone 13184
Morone saxatilis 5528

Oncorhynchus kisutch 6292
Pisces 6299, 6301
Rana temporaria 13103
Skeletonema subsalsum 10310
Synphobranchus 6300
Pricing,
Tilapia: Ghana, Volta L. 11264
Primary production,
 3118, 3202, 5134, 5327, 5941, 6564, 8676, 10706, 10964, 12116, 12373
 Africa, Malawi, Lake Chilwa 7349
 Africa, Rudolf L. 9761
 America, Erie L. 9772
 AN 5401, 7658
 ANE, Baltic 9748, 9749, 9751, 9752, 9754, 9758
 ANE, Baltic, Gdansk Deep 9750
 ANE, Finland 5867, 6581
 ANE, Kiel Bight 9684
 ANW, Canada, Iles-de-la-Madeleine 7972
 ANW, Gulf Stream 13378
 ANW, USA, Hudson Estuary 9878
 ANW, USA, Maryland, Patuxent R. 7680
 ANW, USA, New York Bight 9878
 ANW, USA, South Carolina 9766
 AS 7541
 ASE, Africa 7580
 ASE, France, Concarneau Bay 12114
 ASE, Guinea Gulf 10992
 ASE, Mediterranean 4239, 5475
 ASE, Spain, Castellon 12664
 ASE, Tyrrhenian Sea 3126
 ASW, Bahama Is. 9779
 ASW, Brazil, Ubatuba Region 5391
 ASW, Caribbean 4182, 7574
 ASW, Mexico Gulf 7574
 ASW, Sargasso Sea 3114
 Austria, Woerthersee 3122
 Canada, Char L. 10969
 Canada, Labrador Lakes 4237
 Canada, Ontario, Experimental Lakes Area 9771
 Canada, Quebec, Lakes 6584
 Denmark, Arresoe, L. 12129
 Finland, Paajarvi L. 10909
 France, Etang de Berre 9778
 France, Pavin L. 10968
 India, Raipur, Doodhadhari L. 6587
 INE, USA, California, San Clemente I. 5389
 INW, Japan 9770, 10912
 IS, Pacific 3056
 ISE 3108, 3114
 ISE, Marquesas Is. 6596
 ISE, Peru 7580, 7581
 ISE, Society Is. 7583
 ISE, Tuamotu Is., Takapoto Atoll 12125
 ISEW, Japan, Ogasawara Is., Futami Bay 7521
 ISW, Arabian Sea 5393
 ISW, India, Palk Bay 9774
 ISW, Red Sea 5475
 New Zealand, Mahinerangi L. 6585
 Poland, Ilawa L. 6592
 Poland, Mikolajskie L. 6612

- Poland, Smolak L. 6593
 South Africa, Hendrik Verwoerd Dam 8659
 Tasmania, Crescent L. 5398
 Tasmania, Sorell L. 5398
 USA, California, Mohave Desert, Tecopa Bore R. 12120
 USA, Florida 5334
 USA, Florida, Everglades National Park 11002
 USA, Massachusetts, Fort R. 10995
 USA, Utah, Great Salt L. 10970
 USSR, Baikal L. 7572
 World oceans 12385
 Yugoslavia, Inland waters 5397
Algae 1326, 5181, 8661, 10178
Algae: British Isles, Wales, Nant-y-Moch Reservoir 12118
Algae: India, Inland waters 6586
Algae: INE, Canada, Squamish 12119
Algae: Poland, Mikolajskie L. 6591, 6609
Algae: USA, California 5395
Algae: USA, Montana, Bighorn Lake-Yellowtail Dam 5394
Azotobacter: ASW, USA, Florida 10976
Bacteria: ANW, USA, North Carolina 10921
Ceramium tenuicorne 9753
Cladophora 473
Cladophora glomerata 9753
Dictyosiphon foeniculaceus 9753
Dreissena polymorpha: Poland, Mikolajskie L. 13409
Nostoc: USA, California 5396
Oscillatoria agardhii: ANE, Sweden, Stockholm archipelago 9861
Pacifastacus leniusculus: USA, California, L.Tahoe 6606
Peridinium cinctum: Israel, Kinneret L. 8660
Phaeodactylum tricornutum 9776
Phragmites communis: Sweden, Trosaan R. 9896
Spartina alterniflora: USA, Georgia, Savannah R. 4236
Sphaerocystis Schroeteri 11962
Thalassia testudineum: ASW, USA, Florida 9764
Zostera marina 6604
Zostera marina: ANW, USA, North Carolina 12147
 Aquatic plants 1906
 Epiphytes: *Algae*: USA, New York, George L. 1908
 Freshwater ecology: *Algae* 1905
 Littoral zone: *Algae* 1907
 10930
 Mathematical models: ASE, Adriatic 1920
 Phytoplankton 1903
 Phytoplankton: *Algae* 474
 Pollution effects 464
 Ponds 1915
Primary production Estuaries,
 ISW, India, Porto Noro 10965
Primary production Growth regulators,
Chlorella: ANE, Finland 9756
Oscillatoria agardhii: ANE, Finland 9756
Processing fishery products,
 3219, 3488, 5291, 5685, 8860, 8872, 10068, 11260, 12469, 12474, 12480
 ANW, Canada, Quebec 8868
 ASE, Mauritania 13534
 Australia 5675
 Ghana, Volta L. 6888
 Philippines 13869, 13870
Buccinum undatum: ANW, Canada, Quebec 8869
Callinectes sapidus 4524, 5676
Chionoecetes opilio 8861, 8862
Chionoecetes opilio: Canada 8867
Eualus macilentus: ANW, Canada, Quebec 8865
Euphausia superba 3506
Euthynnus 13897
Euthynnus pelamis 3534
Gadidae 7879
Gadus morhua 3547, 6887
Geryon quinquedens 11689
Ictalurus punctatus 5694, 5695
Micromesistius poulassou 8858
Mytilidae: Mauritania 13887
Ostreidae: USA 7875
Pandalus borealis 8885
Pandalus borealis: AN, Greenland 5668
Pandalus borealis: ANE, Denmark 5668
Pandalus borealis: ANW, Canada, Quebec 8865
Pandalus montagui: ANW, Canada, Quebec 8865
Panulirus: Brazil 3528
Penaeidae 5679, 12470
Penaeidae: Australia coasts 12483
Penaeidae: India 4515
Rana pipiens 5677
Sardinella 3516
Scomber scombrus: ANW, Canada 8863
Squalus suckleyi 7823
Teleostei: ISEW, Hong Kong 11267
Trachurus trachurus 10063
 Fish catch statistics: *Theragra chalcogramma*: I, Pacific 3490
 Fish catch statistics: *Theragra chalcogramma*: Japan 3490
 3519
 Fish conversion: *Scombridae* 3487
 Fish meal 3535
 Fish protein concentrate: *Cephalopoda* 3543
 Fish solubles 3541
 Fishery management: *Halotis*: Australia 3497
 3558
 Fishery technology: Japan 1048
 Frozen products: *Penaeus borealis*: Denmark 3514
 Methodology 1038, 1053, 2187
 Palatability 3525
 Resource development: *Merluccius productus*: INE, USA 3493
 Resource development: *Stolothrissa tanganicae*: Burundi, Tanganyika L. 3517
 Sanitary engineering: USA 1037
 Tropical zones 3527
Production (biological),
 3119, 4235, 9096, 9512, 10963, 13381, 13402
 ANE, Baltic 9758
 ANE, Germany D.R. 9759
 ANE, Norway 12065
 ANW, USA, Maryland, Patuxent estuary 12121
 ANW, USA, Maryland, Patuxent R. 9763

AS 5347, 8936
 ASE, Africa 7580
 ASE, Black Sea 7573
 ASE, Corsica, Biguglia Lagoon 12134
 ASE, France 12133
 ASE, Lyon Gulf 5404
 ASE, Mediterranean 7571, 12591
 ASW, Grand Cayman 13375
 Germany, F.R., Hessen, Schlitz 7578
 India, Govindgarh L. 13383
 India, Kerala, Vembanad L. 9731
 SE 3114, 3134
 SE, Peru 7580
 SW, India 4228
 SW, India, Cochin 10971
 SW, Red Sea 5847
 PNW, Barents Sea 10984
 Poland, Goplo L. 6592
 Poland, Ilawa L. 6592
 Poland, Starodworskie L. 6638
 PSW, Antarctica 9773
 USSR, Caspian Sea 10977
 USSR, Inland waters 11422
 USSR, Ukraine 7573
 World lakes 6598
Abra alba: ANE, Baltic 9783
Algae: ANE, Isle of Man, Port Erin 6600
Algae: ANW, Narragansett Bay 5337
Algae: Tasmania, Inland waters 10163
Ampelisca brevicornis: ANE, Germany, F.R., Helgoland 6538
Anadara tuberculosa 3130
Ancylidae 12872
Angiospermae: ANW, USA, Virginia 8092
Aves: ANE, Spitzbergen 10683
Bacteria: ANE, Germany, Fed.Rep., Kiel Fjord 5400
Bacteria: USSR, Baikal L. 7585
Bacteria: World oceans 9768
Bacteria: World tropical regions 10974
Brevoortia tyrannus: ANW, USA, North Carolina 9792
Ceratopogonidae: Germany, F.R., Hessen, Schlitz 7579
Copepoda: ASE, Lyon Gulf 5402
Coregonus: USSR, Inland waters 7587
Coregonus clupeaformis: America, Great Lakes 11249
Crustacea: World lakes 10978
Cyprinodon nevadensis: USA, California, Death Valley 13382
Cyprinus carpio 13676
Daphnia magna 8745
Eichhornia crassipes 6582, 7577
Eichhornia crassipes: Egypt, Nile R. 7676
Esox lucius: ANE, Finland, Oulujoki Estuary 13321
Fritillaria pellucida: ASE, France, Villefranche-sur-Mer 10973
Invertebrata: Poland, Mikolajskie L. 13364
Lagodon rhomboides: ANW, USA, North Carolina 9792
Leiostomus xanthurus: ANW, USA, North Carolina 9792
Mugil parsia 13694

Mytilus galloprovincialis: ASE, Black Sea 11885
Nannastacus unguiculatus: ASE, Black Sea 3120
Paralichthys lethostigmata: ANW, USA, North Carolina 9792
Pavona praelata: ISEW, Marshall Is. 13384
Perca fluviatilis: Finland, Kiutajaervi L. 10882
Phragmites communis 3129
Pisces 11348
Potamotheirus hammoniensis: Denmark, Esrom L. 12127
Ranunculus penicillatus 8656
Rutilus rutilus: Czechoslovakia, Bohemia, Klicava reservoir 4170
Salicornia ramosissima 8528
Salicornia stricta 8528
Salmo salar: ANE, Baltic 10058
Salmo salar: Canada, New Brunswick 7802
Scenedesmus acutus 3127
Spartina alterniflora: ASW, USA, Louisiana, Barataria Bay 7582
Thalassia testudinum: ASW, Jamaica, Kingston Harbour 11970
Thunnus albacares: ASW, Brazil 11894
Ulva lactuca 8088
Venerupis decussata 6854
Zostera marina: ANE, Denmark 6589
 Aquatic communities: Japan, Inland waters 470
 Aquatic communities: Japan, Urabandai Lake Group, Tatsu-numa L. 468
 Biomass: *Pisces*: USA, Kentucky, Inland waters 456
 Diurnal variations: PNW, White Sea 1858
 Farm ponds: *Cyprinidae*: Japan, Shizuoka Prefecture 885
 Freshwater ecology: Japan, Biwa L. 465

Productivity,

ANE, Baltic 8662
Chaetoceros gracilis: ISE 191

Propulsion engines,

Fishing vessels 2065
 Trawlers 812

Prospecting,

5795

Protective behaviour,

Anthozoa 7411
Coregonus autumnalis 11943
Dardanus arrosor 13195
Diogenes edwardsi 5218
Edwardsia ivelli 2556
Galeomma polita 4120
Hemihaplochromis multicolor 5224
Ircinia muscarum 10409
Labroides phthiophagus 10991
Loxorhynchus crispatus 2960
Natica 6461
Phytobius cavifrons: USA, California 11929
Platambus maculatus 3984
Proboscoidactyla flavicirrata 2953
Thalassoma bifasciatum: ASW, Bahama Is., Bimini 10990

Tintinnida 8164
Tonna galea 6465
 Electrolysis: *Lymnaea stagnalis* 2962

Proteins,

11269, 12521, 12720
 ANW 10171
Abramis brama 5671
Acanthamoeba castellanii 9237
Achlya 11453
Amphibia 6323, 13092
Anabaena 9165
Aphanocapsa 9165
Aplysia californica 11635
Astacus leptodactylus 11686
Astacus pontastacus 9305
Asterias forbesi 10401
Axinella polypoides 10403
Bacillus subtilis 3842
Batrachia 10682
Blenniidae 2784
Cancer pagurus 4995
Carassius auratus 6325
Carcinus mediterraneus 10503
Cardisoma carnifex 8287
Cephalopoda 13207
Chlamydomonas reinhardi 10354
Chrysophrys major 13899
Cirripedia 7189
Clariidae 10643
Clupeonella delicatula 5671
Cyprinus 11263
Entosphenus japonicus 11809
Eptatretus stoutii 11811
Euchaeta norvegica: ANE, Norway, Korsfjorden 9301
Eunapius fragilis 3919
Furcellaria fastigiata 4789
Golfingia gouldii 7172
Hyla 6545
Idotea resicata 11688
Katsuwonus pelamis 13006
Laticauda semifasciata 4409
Lucioperca lucioperca 5671
Lutjanus: ASW, Brazil 2811
Menidia menidia 10624
Mollusca 11647
Mopalia muscosa 8247
Mytilus edulis 11645
Mytilus edulis: PNW, White Sea 9270
Ophiocephalus punctatus 10630
Oratosquilla nepa: ISW, India 4516
Ostrea 11648
Palaemon serratus 4995
Pampus argenteus 13878
Paracentrotus lividus 9201
Penaeus japonicus 13236
Petromyzon marinus 5072
Pisces 4025, 8399, 11266
Plectonema boryanum 13308
Plethodon cinereus 10902
Polytoma mirum 10354
Porcellio laevis 6172

Procamburus clarkii 7224
Pseudopleuronectes americanus 11810
Rana catesbeiana 7342, 13095
Rana esculenta 10685
Rangia cuneata 10455
Rastrelliger kanagurta 13030, 13031
Rita rita 10643
Salmo gairdneri 6302, 9431, 10649, 12366, 13018, 13057
Salmo trutta 13028
Salvelinus fontinalis 6302
Sardinella longiceps 13030, 13031
Scomber scombrus 12467
Scylla serrata 8287
Seriola quinqueradiata 13899
Themiste dyscritum 6075
Theragra chalcogramma: INW, Primor'e 7868
Thunnidae: ISEW, Taiwan 10612
Thunnus albacares 10618
Thunnus thynnus 13006
Tilapia 10617
Trematomus borchgrevinski 2822
Urodela 11846
Virus cyanophage AS-1M 8608
Wallagonia attu 10643
Xenopus laevis 9479
 Chemical analysis: *Selachiformes* 2186
 Electrophoresis: *Harpacticoida* 2708
 Fertilization: *Strongylocentrotus purpuratus* 1386
 Food composition: *Pisces* 1052
 Freezing storage: *Gadus morhua* 2201
 Muscular system: *Selachiformes* 2186
 Nutritive value: *Selachiformes* 2186
 Processing fishery products 3552
 Serological studies: *Rana catesbeiana* 313
 Storage effects 3552
 Taxonomy: *Salvelinus* 1493
 Temperature effects: *Eptatretus burgeri* 1560

Public health,

3316, 6691, 6738, 6739, 9833, 11268, 12163, 13708
 ASE, Italy, Catania 8078
 Germany, F.R. 6669
 Thailand, Inland waters 13288
Crassostrea gigas 9651
Crustacea 7882
Echinocephalus sinensis 9651
Escherichia coli 13418
Hepatitis-A: USA, Louisiana 7884
Homo sapiens: Papua New Guinea, Wogupmeri
 R. 10873
Mollusca 7882
Pisces 7882
Salmonella: Germany, Fed.Rep., Braunschweig 6623
Teleostei: ISEW, Hong Kong 11267
Vibrio parahaemolyticus 10071

Quality control,

3219, 3323, 6886, 6890, 11261, 11268, 12286, 13492,
 13708
 ASE, Mauritania 13908
 Philippines 13869
Anguilla anguilla 6721
Anguillidae 2211

- Bacteria* 6892
Callinectes sapidus 13917
Crassostrea 7886
Euphausia superba 13875
Gadus morhua 4523, 5702, 6887, 6893, 12476, 13454
Gadus morhua: British Isles, Aberdeen 12477
Merluccius gayi 5706
Penaeidae 5679
Penaeus setiferus 13915
Pisces 1052, 3554, 5291, 5703, 5708, 10073, 11260, 12482, 13912, 13918
Pisces: Philippines 13870
Pleurogrammus monopterygius 8888
Rana pipiens 5677
Salmonidae 7888
Scombridae: Spain 13913
Stromateus cinereus 13919
Teleostei: ISEW, Hong Kong 11267
Thunnus zacaltes 13898
Tilapia: Ghana, Volta L. 11264
Vibrio: ASE, Black Sea 13921
Vibrio parahaemolyticus 3564
Xiphopenaeus kroyeri 12479
Canned products: *Thunnus alalunga* 2209
Fishery products 2204, 2207, 3556
Food composition 1058
Food composition: *Katsuwonus pelamis* 2208
Frozen products: *Penaeus* 1054
Palatability: *Crustacea* 2216
Preservation (fishery products) 2197, 3567
Quota regulations,
5655
PSW, Southern African Coast 11239
Cephalopoda: Japan 13871
Cetacea: South Africa 4505
Gadidae: ANE, North Sea 3468
Gadus morhua: ANE 9405
Mallotus villosus: AN 2166
Merluccius capensis: PSW, South West Africa 11243
Pinnipedia: USA 3479
Scomber: PSW, Africa 3481
Thunnus albacares: A, Atlantic 3470
Racial studies,
Katsuwonus pelamis: ASE 11951
Radar,
4456, 5839
Oceanographic data 48
Surveys 48
Radio,
3682
Radioactive contamination,
Lead: INW, Japan 1192
Radioactive dating,
ASE, Mediterranean, Roussillon Shelf 7024
PSE, Kerguelen Isl., Betsy Cove 7923
USA, Alaska, Imuruk Lake 9080
Radioactive pollution,
3223, 4263, 5778, 6635, 6647, 6648, 6650, 6660, 6662, 6667, 6687, 6691, 6738, 6739, 7644, 8781, 13413
America, Michigan L. 6661, 7667
ANE, British Isles 5482
ANE, British Isles, Cumbria 6658
ANE, France 5512
ANE, France, Cotentin 7684
Austria 6666
France 13412
Germany, F.R. 6669
Germany, F.R., Danube R. 6668
Germany, F.R., Westphalia 6743
I, Pacific 5478, 5479
INE, USA 6648
INW, Japan, Urazoko Bay 6664
ISW, India 4320
ISW, India, Bombay 6663
USA, Colorado, Rocky Flats 6659
USA, South Carolina 6665
USSR, Inland waters 12268
World Ocean 7641
World oceans 6670
World waters 3169
Algae 7681
Algae: INW, Korea 5469, 5470
Algae: INW, Korea Rep. 6682
Arenicola marina 5507, 7645, 7682, 7683
Cancer pagurus 12242
Carassius auratus 6649
Carcinus maenas 7682
Clarias lazera 6692
Daphnia magna 12250
Echinocardium cordatum 5507, 7645
Favites virens: ISEW, Marshall Isl. Bikini 3182
Gambusia affinis 12250
Invertebrata 7681
Lepomis macrochirus 12295
Macoma balthica 5507, 7645
Meretrix meretrix 13450
Mollusca 4368
Nereis japonica 13451
Phaeophyceae 9854
Pisces 7681, 13489
Pleuronectes platessa 7682, 12242
Scrobicularia plana 5507, 7645, 8759
Teleostei 11107
Tilapia nilotica 6692
Pollution effects: *Euphausia superba* 652
Zinc 1993
Radioactive radiation,
Pisces 11859
Radioactive tracers,
3216, 3812, 5941, 8968, 11357, 11858, 11860, 11862, 11863, 12055
America, Michigan L. 6631
INW, Japan, Tokyo Bay 6633
World waters 11336
Anabaena cylindrica 5998
Anguilla anguilla 13000
Carassius auratus 6325, 7709
Chlorophyta: Israel, Kinneret L. 12075
Euglena gracilis 7710
Fasciola hepatica 12013
Idotea resicata 11688

- Invertebrata* 12086
Mollusca 12213
Notophthalmus viridescens 5122
Octopus vulgaris 11641
Oncorhynchus kisutch 6280
Pisces 11859
Rana temporaria 5115
Salvelinus fontinalis 8383
Tetrahymena pyriformis 8187
Uca pugilator 9311
 Methodology: *Culcidae* 126
 Osmoregulation: *Plantago* 1335
- Radioactive wastes,**
 8786, 11018, 11048
 INE, USA, California, Farallon Isl. 4387
 INE, USA, Farallon Is. 6629
 USA, Idaho, National Reactor Testing Station 594
 USA, Michigan 4318
Cambarus robustus: USA, New York 11082
Orconectes obscurus: USA, New York 11082
Salmonidae: America, Michigan L. 13465
 Dispersion: USA, Idaho, National Reactor Testing Station 594
 Hydraulics: USA, Idaho, National Reactor Testing Station 594
 Marine pollution 500
- Radioactivity,**
 2354, 12521
 ANE, France, Normandy 11036
 World waters 3169
Fucus serratus 3199
Scapharca deyrollei 3941
- Radioisotopes,**
 2346, 3223, 6673, 7051, 11861, 12204, 13967
 ISEW, Marshall Isl. 4304
 ISW, India 4320
 ISW, India, Trombay 3193
 Marshall Is., Bikini 9911
Anguilla anguilla 13000
Crangon crangon 6690
Crassostrea virginica 6636
Laminaria digitata 6002
Leuciscus 12484
Meganyctiphanes norvegica 11090
Phaeophyceae 9854
Salmo trutta 13481
Tetrahymena pyriformis 7456
Ulva pertusa 13477
- Rearing,**
 12715
Anabas testudineus: India, Bihar 13681
Anguilla anguilla 854
Anguilla japonica: Philippines, Cagayan R. 328
Artemia salina 854, 13735
Callinectes sapidus 13732
Cancer magister 8281
Caridina nilotica aruensis 12900
Cephalopoda 5615
Cetacea 10680
Cheilopogon: ASW, Caribbean 6259
Chirostoma: Mexico, Patzcuaro L. 13646
Cirrhinia mrigala 13690
Clupea harengus 2086, 10817
Coregonus lavaretus: Europe, Constance L. 5594
Coregonus nasus 6822
Crassostrea gigas: ANE, Germany F.R. 7831
Cyprinus carpio 5592
Cyprinus carpio: Iraq, Basrah 13676
Dicentrarchus labrax 13674
Haliotis 13737
Haliotis tuberculata 916
Homarus americanus 6836
Labeo rohita 13690
Lysmata seticaudata 4981
Macrobrachium 11189, 13709
Macrobrachium idella 4464
Macrobrachium rosenbergii 6835, 13713
Macrobrachium tenellum 13728
Menidia menidia 12361
Metapenaeus ensis: French Polynesia 3419
Mirounga leonina 6840
Morone punctata: Mauritania, Nouadhibou 13677
Mugil cephalus 12368
Mugil saliens 12374
Mytilus edulis 12377
Neopanope 11973
Octolasmis mulleri 9294
Octopus tetricus 12854
Oncorhynchus 11184
Palaemon serratus 12340
Paralithodes camtschatica 13724
Pelecypoda 13385
Penaeidae 13709
Penaeus: French Polynesia 3419
Penaeus duorarum 13725
Penaeus japonicus: INW, Japan 13739
Penaeus japonicus: Japan 13712
Penaeus kerathurus 12340, 13745
Penaeus schmitti 13725
Platichthys flesus: ASE, Italy 4461
Pleuronectes platessa 10817
Pontella meadi 10491
Pseudocalanus elongatus 7214
Puntius pulchellus 13697
Rhithropanopeus harrisi 11973
Rhithropanopeus harrisi 5192
Salmo gairdneri 4460, 11184, 13637
Salmo gairdneri: ASE, France, Ile de Re 13643
Salmo trutta: Germany, F.R., Bavaria, Walchen L. 9997
Scophthalmus maeoticus: ASE, Black Sea 10002
Scophthalmus maximus: British Isles 13639
Solea solea 12340
Sparus auratus 877, 12340, 12355
Sphaerichthys osphromenoides 5617
Uca pugilator 12381
 Aquaculture: *Seriola quinqueradiata*: Japan 903
 Farm ponds: *Pisces*: Germany, F.R. 2107
 Fish larvae: *Scophthalmus maximus* 869
 Fish larvae: *Solea solea* 868
 Fry: *Dicentrarchus labrax* 875
 Fry: *Oncorhynchus kisutch* 878

- Fry: *Thunnidae* 879
 Growth: *Sparus auratus* 874
 Juveniles: *Leander serratus* 854
 Larvae: *Culicoides* 2725
 Larvae: *Mytilus edulis* 1719
 Methodology 2133
 Methodology: *Ctenopharyngodon idella* 2117
 Pollution effects: *Ostreidae* 2002
 Sexual maturity: *Cyprinus carpio* 2127
 Water temperature: *Anguilla anguilla* 2100
Recording equipment,
 2320, 4630, 5821, 7068, 7969, 9712, 9990, 12717
 ASW, Brazil 3753
Escherichia coli 8074
Recruitment,
 12449
Chlamys islandica: ANW, St. Lawrence Gulf 10030
Clupea harengus: ANW, St. Lawrence Gulf 13331
Engraulis mordax: INE, USA, California 10059
Lasus novaehollandiae: PSE, Tasmania 1253
Katsuwonus pelamis: ASE 12440
Merluccius capensis: PSW, Southern African
 Coasts 11242
Merluccius paradoxus: PSW, Southern African
 Coasts 11242
Osmerus eperlanus: USSR, Ladoga L. 9399
Penaus japonicus: INW, Japan, Seto Inland Sea 13329
Pseudopleuronectes americanus: ANW, USA, Long Island
 Sound 5522
Scomber japonicus: INE, Pacific 10060
Scomber scombrus: ANW, St. Lawrence Gulf 13331
Stizostedion vitreum: USA, New York, Oneida L. 10890
Thunnus 3371
Thunnus alalunga: A, Atlantic 12441
Thunnus albacares: ASE, Congo, People's Rep.,
 Pointe-Noire 3030
Thunnus thynnus: A, Atlantic 3455
 Fisheries resources: *Taius tumifrons*: ISEW, East China
 Sea 2171
Red tides,
 6446, 7523, 12286
 ANE, English Channel 4196
 ASW, Mexico Gulf 10945
 Algae 6438
Gonyaulax: USA 9943
Gymnodinium: INW, Japan, Omura Bay 6447
Gymnodinium: USA 9943
Gymnodinium breve 13171
Gymnodinium breve: ASW, USA, Florida 5964, 6004,
 10836
Gymnodinium breve: ASW, USA, Florida, Boca Ciega
 Bay 6765
Homarus americanus 5705
Noctiluca: ASE, Mediterranean 13359
Noctiluca scintillans: INW, Japan 12287
Polychaeta: ASW, USA, Florida, Old Tampa Bay 4400
Prorocentrum micans: INW, Japan, Hokkaido 768
Trichodesmium: I, Pacific 5965
 Aerial surveys: ANW, USA, Maryland 735
 Algal blooms: World oceans 733
 Algal blooms: *Gonyaulax*: World oceans 120
 Algal blooms: *Gonyaulax polyedra*: INE, USA,
 California, San Pedro Bay 730
 Algal blooms: *Gonyaulax polyedra*: World oceans 744
 Algal blooms: *Gonyaulax tamarensis*: ANW, USA, Maine
 Gulf 731
 Benthic zone: *Gymnodinium breve*: ASW, USA,
 Florida 447
 Bioluminescence: *Gonyaulax polyedra*: World
 oceans 744
 Chemical analysis: *Amphidinium carterae* 751
 Chemical analysis: *Gonyaulax catenella* 752
 Chemical analysis: *Gonyaulax tamarensis* 752
 Chemical analysis: *Gymnodinium breve* 750
 Chemical analysis: *Gymnodinium breve*: ASW, USA,
 Florida 749
 Chemical analysis: *Mercenaria mercenaria*: ANW, USA,
 Massachusetts 751
 Circadian rhythm: *Gonyaulax polyedra*: World
 oceans 744
 Conferences: *Gymnodinium breve*: ASW, USA,
 Florida 31
 Coral reefs: ASW, Mexico Gulf 764
 Ecology: World oceans 733
 Ecology: *Gonyaulax polyedra*: INE, USA,
 California 728
 Ecology: *Gymnodinium breve*: ASW, USA, Florida 739
 Economics: *Gonyaulax tamarensis*: ANW, USA 778
 Economics: *Gonyaulax tamarensis*: ANW, USA, New
 York 778
 Economics: *Gymnodinium breve*: ASW, USA,
 Florida 767, 777
 Geographical distribution: World oceans 743
 Geographical distribution: *Gonyaulax tamarensis*: ANW,
 USA, Maine Gulf 731
 Horizontal distribution: *Gymnodinium breve*: ASW,
 USA, Florida 763
 Hydrography: *Gonyaulax tamarensis*: ANW, USA, Maine
 Gulf 731
 Iron: *Gymnodinium breve* 444
 Life cycle: *Gonyaulax*: World oceans 120
 Marketing: *Gonyaulax tamarensis*: ANW, USA,
 Massachusetts 772
 Models: World oceans 733
 Monitoring: ANW, USA, Maine 780
 Monitoring: Canada 774
 Monitoring: USA 773
 Monitoring: *Gonyaulax tamarensis*: ANW, USA, New
 Hampshire 779
 Monitoring: *Gymnodinium breve*: ASW, USA,
 Florida 775
 Mortality causes: *Invertebrata*: ASW, USA, Texas 745
 Mortality causes: *Osteichthyes*: ASW, USA, Texas 745
 Nerves: *Cephalopoda* 758
 Nerves: *Diplasicoela* 758
 Nerves: *Gonyaulax tamarensis* 758
 Nerves: *Homaridae* 758
 Nerves: *Vertebrata* 759
 Nutritional requirements: *Gonyaulax catenella*: INE,
 USA, Washington 738
 Oceanographic data: *Gonyaulax polyedra*: INE, USA,
 California, San Pedro Bay 730

- Oceanographic data: *Gonyaulax tamarensis*: ANW, USA, Massachusetts 729
- Oceanographic data: *Gonyaulax tamarensis*: ANW, USA, New Hampshire 729
- Photosynthesis: *Gonyaulax tamarensis*: ANW, USA, Maine Gulf 740
- Physical oceanography: World oceans 733
- Physiology: *Amphidinium carterae*: ANW, USA, Massachusetts 751
- Physiology: *Gonyaulax polyedra*: INE, USA, California 728
- Physiology: *Invertebrata*: ANW, USA 755
- Physiology: *Vertebrata* 753
- Phytoplankton: *Gonyaulax*: World oceans 120
- Phytoplankton: *Gonyaulax polyedra*: World oceans 744
- Poisonous organisms: *Gonyaulax*: World oceans 120
- Poisonous organisms: *Gonyaulax excavata*: ANW, USA, Massachusetts 742
- Poisonous organisms: *Gonyaulax polyedra*: World oceans 744
- Poisonous organisms: *Gonyaulax tamarensis*: ANW, USA, Maine Gulf 731
- Poisonous organisms: *Vertebrata* 753
- Poisons (biological): *Amphidinium carterae* 762
- Poisons (biological): *Amphidinium carterae*: ANW, USA, Massachusetts 751
- Poisons (biological): *Aphanizomenon flos-aquae* 762
- Poisons (biological): *Balistidae* 756
- Poisons (biological): *Gonyaulax*: ANE, British Isles, England 746
- Poisons (biological): *Gonyaulax*: ANW, USA 746
- Poisons (biological): *Gonyaulax*: INE, USA 746
- Poisons (biological): *Gonyaulax catenella* 752, 758
- Poisons (biological): *Gonyaulax tamarensis* 752, 762
- Poisons (biological): *Gonyaulax tamarensis*: ANW, Canada 747
- Poisons (biological): *Gonyaulax tamarensis*: ANW, USA 747
- Poisons (biological): *Gymnodinium breve* 750, 762
- Poisons (biological): *Gymnodinium breve*: ASW, USA, Florida 748, 749, 754, 760
- Poisons (biological): *Mercenaria mercenaria*: ANW, USA, Massachusetts 751
- Poisons (biological): *Mya arenaria*: ANE, British Isles, England 747
- Poisons (biological): *Mya arenaria*: ANW, Canada 747
- Poisons (biological): *Mya arenaria*: ANW, USA 747
- Poisons (biological): *Osteichthyes*: ASW, USA, Florida 760
- Poisons (biological): *Tetraodontidae* 756
- Poisons (biological): *Vertebrata* 753, 759
- Poisons (biological): *Vertebrata*: ASW, USA, Florida 754
- Population growth: World oceans 743
- Population growth: *Gonyaulax catenella*: INE, USA, Washington 738
- Population growth: *Gonyaulax tamarensis*: ANW, USA, Maine Gulf 740
- Population growth: *Gymnodinium breve*: ASW, USA, Florida 739
- Population growth: *Gymnodinium breve*: ASW, USA, Mexico Gulf 737
- Population parameters: *Ceratium furca*: ANW, USA, Maryland 741
- Population parameters: *Gymnodinium nelsonii*: ANW, USA, Maryland 741
- Population parameters: *Gymnodinium splendens*: ANW, USA, Maryland 741
- Population parameters: *Katodinium rotundatum*: ANW, USA, Maryland 741
- Population parameters: *Prorocentrum minimum*: ANW, USA, Maryland 741
- Predictions: *Gymnodinium breve*: ASW, USA, Florida 732
- Public health: ANW, USA, Maine 780
- Public health: Canada 774
- Public health: USA 773
- Public health: *Gonyaulax catenella* 752
- Public health: *Gonyaulax tamarensis* 752
- Public health: *Gonyaulax tamarensis*: ANW, USA 778
- Public health: *Gonyaulax tamarensis*: ANW, USA, Massachusetts 772
- Public health: *Gonyaulax tamarensis*: ANW, USA, New Hampshire 779
- Public health: *Gonyaulax tamarensis*: ANW, USA, New York 778
- Public health: *Gymnodinium breve*: ASW, USA, Florida 23, 43, 44, 775, 776
- Remote sensing: *Gymnodinium breve*: ASW, USA, Florida 34
- Research programmes: ASW, USA, Florida 21, 22, 442
- Research programmes: *Gymnodinium breve*: ASW, USA, Florida 734
- Reviews: *Gymnodinium breve*: ASW, USA, Florida 776
- Rivers: ANW, USA, Maryland 735
- Shellfish: ANW, USA, Maine 780
- Shellfish fisheries: *Gonyaulax tamarensis*: ANW, USA, New York 778
- Shellfish fisheries: *Gymnodinium breve*: ASW, USA, Florida 775
- Taxonomy: *Gonyaulax*: World oceans 120
- Taxonomy: *Gonyaulax excavata*: ANW, USA, Massachusetts 742
- Temperature effects: *Gymnodinium breve*: ASW, USA, Florida 732
- Toxicity: *Amphidinium carterae* 762
- Toxicity: *Gonyaulax catenella* 758
- Toxicity: *Gonyaulax polyedra*: INE, USA, California, San Pedro Bay 730
- Toxicity: *Gonyaulax tamarensis* 762
- Toxicity: *Gymnodinium breve* 750, 762
- Toxicity: *Gymnodinium breve*: ASW, USA, Florida 754, 776
- Toxicity: *Gymnodinium breve*: ASW, USA, Mexico Gulf 737
- Toxicity: *Invertebrata*: ANW, USA 755
- Toxicity: *Invertebrata*: ASW, USA, Texas 745
- Toxicity: *Mollusca* 757
- Toxicity: *Vertebrata* 753, 759
- Toxicity: *Vertebrata*: ASW, USA, Florida 754
- Upwelling: World oceans 736
- Water circulation: *Gymnodinium breve*: ASW, Mexico

Gulf 445
 Water temperature: *Gymnodinium breve*: ASW, USA,
 Florida 446

Refraction,
 10463, 11384
 IS, Pacific 2332

Regeneration,
Actinia equina 2589
Aeshna cyanea 3985
Bryopsis plumosa 5999
Cambarus 10500
Campanularia johnstoni 9239
Carassius auratus 6325
Clarias batrachus 2841
Decapoda 2976
Dugesia mediterranea 7163
Dugesia tigrina 8181
Hyalodiscus simplex 4867
Hydra 172
Notophthalmus viridescens 4054, 5122, 10677
Oxytricha fallax 9207
Pachygrapsus marmoratus 6157
Planaria 2575, 12824
Podocoryne carnea 9239
Polycelis nigra 8180
Polycelis tenuis 12816
Rana temporaria 5115
Sargassum filipendula 7118
Sargassum muticum 2970
Stentor coeruleus 6053, 7133
Sycon vigilans 4837
Triturus cristatus 10687
Triturus viridescens 5117, 11851
Uca 12234
Urodela 8436
Xenopus laevis 8436
 Hormones: *Platynereis dumerili* 1390
 Physiology: *Dendrocoelum lacteum* 1375
 Pollution effects: *Geodia cydonium* 3311

Regional variations,
 USA, Georgia, Duplin R. 11351
 USA, Minnesota 11411
 USA, West Virginia, Bluestone Dam 12087
 USA, West Virginia, Inland waters 11321
 USA, West Virginia, Monongahela R. basin 11322
Amphibia: Czechoslovakia, Hron R. 10669
Aruma histrio: ISE 10556
Ciona intestinalis: ASE, France 13081
Cynoscion nebulosus: ASW, Mexico Gulf 9677
Cynoscion nebulosus: ASW, USA, Florida 9677
Foraminifera 10935
Gasterosteus aculeatus: Canada, Queen Charlotte
 Is. 10906
Mallotus villosus: ANE, Norway, Vardo 11728
Mytilus edulis: ANW, USA, Maine 12857
Pinnothereus maculatus: ANW, USA, New York,
 Montauk 13410
Pisces: America 8322
Plethodon jordani 8440
Salmo trutta: Sweden 10811
Sardina pilchardus 11211

Scaholeberis kingi: World Tropical Regions 12906
Sebastes marinus: ANE, Iceland 13153
Semotilus atromaculatus: USA, Ohio 10766

Remote sensing,
 3676, 3677, 3678, 3721, 4271, 4273, 4274, 4276, 5796,
 5799, 5802, 5803, 5804, 5839, 5877, 6788, 8957, 10134,
 10135, 10139, 10140, 11014, 12573
 America, Great Lakes 5878
 America, Michigan L. 7640
 AN 5401
 ANW, USA, Chesapeake Bay 11019
 ANW, USA, North Carolina 10133
 ASE, Mauritania 8954
 ASE, Mediterranean 3794
 ASE, Western Sahara 8954
 INE, USA, California 5852
 IS, Pacific 3679
 ISE, California Gulf 5784
 ISE, Colombia 3680
 ISEW, Great Barrier Reef 5800
 ISW, Bengal Bay 10182
 PSE, Tasman Sea 12578
 USA 6963
 USA, Michigan, Inland waters 13128
 World Ocean 6962
 World Oceans 8955
 World polar regions 6961
 Marine environment: ASE, Mediterranean 2308
 Pollution monitoring: USA, West Virginia 1125
 Sediment analysis 1236, 7631

Reports,
 British Isles, Anglian Water Authority 10116
 Canada, Montreal, McGill Univ. 12536
 Europe coasts 11119

Reproduction,
Acanthina spirata 12853
Acipenseridae: USSR, Dniester R. 7745
Agabus 10986
Allogromia laticollaris 6022
Allomyces arbuscula 12731
Anas: USA, Colorado, Inland waters 11912
Ancylidae: USA, Texas 8554
Antromyia juberthiei 7212
Arbacia punctulata 9222
Arenicola marina 8178
Ascomycetes: ANE, Denmark 4744
Asellus aquaticus 8272
Asterophycitis sarcopoides 3839
Aurelia aurita: INW, Japan Sea 3913
Aves: USA, New York, Montezuma
 Natl. Wildl. Refuge 9720
Bacillus 4737
Balaenoptera acutorostrata: ASW, Brazil 9455
Balanus balanoides 11694
Bellura gortynoides 5000
Bittium reticulatum: ASE, Black Sea 5228
Blepharisma 9208
Bulbochaete hiloensis 5987
Carassius auratus: Romania, Nitra R. 11723
Cardisoma guanhumi 10767
Ceriodaphnia cornuta 12907

- Cerithium moniliferum*: ISEW, Great Barrier Reef 11628
Chelonia mydas: ASW, Surinam 4051
Chlorella vulgaris 3851
Chrysichthys walkeri: Nigeria, Lekki Lagoon 10540
Cirolana harfordi 13335
Clausocalanus: AN 12058
Clemmys guttata: ANW, USA, Pennsylvania 8421
Clupeidae: USSR, Dniester R. 7745
Coelastrum reticulatum 5972
Copepoda: ANW, USA, South Carolina 5364
Ctenopharyngodon idella: Germany, Fed.Rep., Bavaria, Wielenbach 13678
Ctenopharyngodon idella: USSR, Ili R. 6264
Cyprinidae: Czechoslovakia 12356
Davidius moiwanus tarvii 12931
Diastylis sculpta: ANW, Canada, New Brunswick, Passamaquoddy Bay 11653
Dictyota dichotoma 11923
Echinaster 4860
Echinoidea 10393
Echinolampas crassa 8179
Echinospaerium nucleofilum 12789
Ectocarpus siliculosus 5985
Ephippodonto oedipus 11625
Eretmochelys imbricata: ISW, Seychelles 9476
Esox lucius: British Isles, Frome R. 7233
Esox lucius: British Isles, Stow R. 7233
Euchaeta norvegica: ANE, Norway 9299
Eudiaptomus intermedius: Italy, Santo Parmense L. 12902
Eumetopias jubata: INE, USA, California, Monterey Bay 9477
Eurycea neotenes: USA, Texas, Kerr County 10881
Fucus distichus: ANW, Canada, Nova Scotia 9144
Fucus vesiculosus 5991, 5992
Fulica atra: Poland, Masurian Lakeland 6347
Fundulus diaphanus: Canada, Renaud L. 1545
Galaxias vulgaris: New Zealand, Glentui R. 7287
Gammaracanthus loricatus: ANW 11674
Gammaridae: USSR, Kremenchug Reservoir 2701
Gasterosteus aculeatus 10753
Gastropoda 10423
Gastrotheca riobambae 5110
Glossogobius giuris: India, inland waters 11794
Gymnodinium indicum: India 5983
Haliclona loosanoffi: ANW, USA, Connecticut, Mystic R. Estuary 9198
Harpacticoida 11678
Harveyella mirabilis 10311
Helisoma 8193
Helobdella stagnalis: Canada, Alberta, Newsone Pond. 12783
Helobdella stagnalis: Canada, British Columbia, Marion L. 12783
Hormidiella bharatiansis: India, Jagdalpur 4768
Hymenochirus boettgeri 2856
Hymenochirus boettgeri: Africa, West 8446
Hypotricha 4851
Labeo gonius 7290
Laevapex fuscus 10447
Lymnaea stagnalis 12866
Lysmata seticaudata: ASE, France, Banyuls-sur-mer 4979, 4980
Maja squinado: ASE, Mediterranean 11884
Marteilia refringens 6039
Megathura crenulata 7185
Menidia audens: USA, Texas, Texoma L. 10592
Merluccius merluccius: ASE, Tunisia 7487
Mollusca 4879
Musculium securis 4901
Musculium securis: Canada, Ottawa R. 7477
Mytilus californianus 4923
Nephrocytrum complicatum 3840
Nerophis lumbriciformis 10596
Notommata copeus 12033
Orthogalumna terebrantis: Argentina 11709
Osmerus eperlanus: USSR, Ladoga L. 9399
Ostracoda: AN 12061
Pachygrapsus marmoratus 4974
Palmaria palmata: INE 11493
Paralithodes camtschatica: INW, USSR, Kamchatka 9199
Paramecium caudatum 4850, 9204
Pelecypoda 9667
Penilia avirostris: PSW, South Africa Rep. 8248
Perca fluviatilis: Sweden, Avaa L. 6758
Percidae: USSR, Dniester R. 7745
Perna viridis: ISW, Pakistan 12855
Phaeoptyx conklini: ASW, Bahama Is. 7285
Pholoe swedmarki: ASW, Atlantic 8144
Phoxinus: Canada, Quebec, Triton L. 13228
Phyllodoce laminosa: ANE, France 8173
Pisces: PSW, South Africa Rep. 9394
Psidium amnicum 11623
Platichthys flesus 12980
Pleuronectes platessa: ANE, North Sea 13042
Podostemaceae: Venezuela, Caroni R. 9141
Poecilia 2802
Poecilia reticulata 5412
Protosiphon botryoides 4794
Pseudopolydora kempfi: INE, USA, California 2573
Pseudopolydora paucibranchiata: INE, USA, California 2573
Puntius pulchellus: India, inland waters 13697
Pylaiella littoralis 4783, 11502, 11503
Pyrocystis 7161
Rhodophysemma georgii 7087
Rhodophyta 10897
Rhodomenia palmata: INE 11493
Salmo gairdneri 5057, 12981
Salmonidae 13024
Salvelinus fontinalis 3290
Saprolegnia megasperma 5275
Saprolegniaceae 2473
Scytosiphonaceae: INW, Japan, Hokkaido, Muroan 10324
Spiochaetopterus costarum: ASE, Mediterranean 5203
Spongilla lacustris 7165
Stenella attenuata: INW, Japan 9456
Stomatopoda 12901
Suberites massa: ASE, France, Thau 4836

- ynodontis schall* 10641
emora longicornis 11654
hais emarginata 12853
thorogobius ephippiatus: ANE, Eire, Co.Galway 7237
thunnus thynnus: ASE, Mediterranean 12976
okophrya lemnaeum 9210
triturus pyrrhogaster 5116
trechis caupo 8176
enerupis japonica: INE, USA, Washington 4926
Voloszynskia stoschii: India 5983
kenopus tropicalis 2856
kenopus tropicalis: Africa, West 8446
zoarces viviparus 11781
Zosteraceae: ASW, USA, Texas, Redfish Bay 11496
 Aquaculture: *Oncorhynchus*: Southeast Asia coasts 432
 Environmental effects: *Gobiodei*: ISW, India, Ganga estuary 1678
 Life cycle: *Anadonta cygnea*: Italy, Trasimonto L 1393
 Life cycle: *Ancylus fluviatilis*: Germany, Fed.Rep., Baden-Wuerttemberg, Muehlbach 1760
 Life cycle: *Chaetogaster limnaei*: Germany, Fed.Rep., Baden-Wuerttemberg, Muehlbach 1760
 Life cycle: *Sargassum muticum* 2514
 Metamorphosis: *Haliotis tuberculata* 916
 Physiology: *Chlamydomonas reinhardi* 140
 Population dynamics: *Chrysophrys major*: INW, Yellow Sea 1819
 Population dynamics: *Oncorhynchus gorbuscha*: INW, Kuril Is. 429
 Resting spores: *Prasinophyceae* 2517
 Sexual maturity: *Tilapia nilotica*: Egypt, Arab Rep., Nile R. 2804
 Subpopulation: *Oncorhynchus*: Southeast Asia coasts 432
Reproduction rate,
Copepoda: AS 3034
Copepoda: ASE, Mediterranean 3034
Gammarus: Netherlands 6392
Hippoglossoides platessoides: ANW, Canada, Newfoundland 9672
Notommata copeus 4852
Oncorhynchus nerka: USSR, Okhota R. 781
Pseudomonas 12728
Salmo salar: USSR, Kola Peninsula 5597
 Biological rhythms: *Cataetys laticeps* 279
 Environmental effects: *Oncorhynchus keta*: USSR, Amur R. 998
 Reproduction: *Tilapia nilotica*: Egypt, Arab Rep., Nile R. 2805
Reproductive behaviour,
Aequidens paraguayensis 7416
Anguilla rostrata 11905
Asellus 1687
Barbus barbus 11935
Belontiidae 7277
Carassius auratus 10754, 11938
Catnotus 6248
Cetacea 10680
Chanda ranga 5619
Chelonia mydas: ASE, Ascension I. 9449
Cichlasoma nigrofasciatum 6458
Cichlidae 12974
Copepoda 6159
Crenimugil crenilabris: ISEW, Marshall Is., Eniwetok 11791
Cryptopsaras couesi 2963
Dasyatis americana: ASW, USA, Florida, Marco I., Factory Bay 6249
Etheostoma 6248
Euplotes crassus 10398
Gambusia 6244
Gammarus 8249
Gasterosteus aculeatus 7415
Geocrinia 8544
Gobiosoma robustum 2806
Hoplosternum thoracatum 5618
Hyla 13197
Jasus lalandii 8306
Kassina: Southern Africa 8547
Lamprologus brichardi 13186
Leptodactylus 8549
Lymanaea stagnalis 12865
Neopanope sayi 8542
Nothobranchius guentheri: Africa, East 8545
Notropis anostanus 5205
Octopus dofleini 11630
Orconectes propinquus 8254
Osteoglossum bicirrhosum 5047
Paragobiodon: ISEW, Great Barrier Reef 11937
Pipa carvalhoi 9603
Poecilia spheonops 5222
Procambarus clarkii 2966
Psephenus 11928
Rana hexadactyla 13093
Rhinichthys 8366
Semotilus atromaculatus: USA, Ohio 10766
Semotilus margarita: USA, Maryland, Hamilton Run 10561
Serolis polaris 5207
Simochromis diagramma 2951
Trichopsis vittatus 11924
Triturus vulgaris 10670, 10763
Tropisternus 11930
Zygoptera: New Zealand 2964
 Colour: *Simulium ornatum*: Norway, Renaa R. 1696
 Seasonal variations: *Hydrobaenus pilipes* 2738
 Territorial behaviour: *Cordulia aenea* 370
Reproductive organs,
Acetes chinensis: INW, Korea Rep., Central West Coast 2702
Aeolidiidae 4921
Anguilla anguilla 6257, 7282
Atlantidae 4914
Balanus balanoides 9292
Catostomus: USA, Utah, Weber R. 10594
Chelon labrosus 6321
Chelydra serpentina 8443
Chirocephalus sibiriae: Italy, Inland waters 12878
Crustacea 7221
Cryptopleura membranacea 11498
Cyprinidae 10601
Cyprinus carpio 7286, 11788

- Dentalium entalis*: ASE, Naples Gulf 3933
Dugesia japonica: INW, Japan, Southwest Is. 11570
Echinaster modestus 8184
Echinocardium cordatum 9216
Erpobdella octoculata 8169
Florideae 10325
Galaxias vulgaris: New Zealand, Glentui R. 7287
Glossogobius giuris 6267, 6268
Gopherus agassizi 8443
Gracilaria corticata 10320
Heteropneustes fossilis 8364, 8397
Horvathinia 246
Liza ramada 6321
Lymnaea stagnalis 2606, 12867
Metapenaeus stebbingi 6160
Mugilidae 8405
Neogastropoda: ISE, California Gulf 12856
Nitophyllum stellato-corticatum 5986
Ocenebra erinacea: ASE, France 8215
Oculospinus brevis: ASE, Genoa Gulf 3986
Opisthonema oglinum: ASW, Brazil, Ceara 3033
Oryzias latipes 12990
Pleurodeles waltlii 7343
Pocilia reticulata 9390
Polycelis: Romania 8159
Polypterus 2799
Psammomacrostomum equicaudum 3886
Pseudopleuronectes americanus 8391
Rutilus rutilus: Finland, Kiutajaervi L. 10889
Sagitta planctonis 6024
Salmo salar
Sardinella: ISW, India 4043
Schizothorax richardsonii 2797
Scleropages formosus: Malaysia 6254
Tilapia mossambica 9391
Trichiurus lepturus 12962
Urechis caupo 6054
Zoarces viviparus 5277
 Abnormalities: *Sardinella*: ISW, India 1510
 Development: *Sphaeromatidae* 224
 Morphology (organisms): *Cymodocea serrulata* 2500
 Morphology (organisms): *Tilapia nilotica* 2804
 Parasites: *Carcinus mediterraneus* *Sacculina carcini* 402
 Reproduction rate: *Tilapia nilotica*: Egypt, Arab Rep., Nile R. 2805
- Research development,**
 Japan 13590
- Research institutions,**
 4578, 10121, 11255, 11593, 12532, 12538, 12576
 ASE, Mediterranean 10117
 Australia 4596
 Australia, Townsville 11286
 British Isles, Argyll, Ardrishaig 13581
 British Isles, Devon 5773
 British Isles, Hertfordshire, Stevenage 8924
 Canada 4591, 4594
 Canada, Montreal, McGill Univ. 12536
 Canada, Quebec City 7939
 Eire 1093
 Germany, F.R. 8928
 Hungary, Szarvas 3407
- India, Barrackpore 11156
 India, Cochin 4595, 12471
 Malagasy Rep., Nosy-Be 5759
 New Zealand 2278
 Norway 10119
 Norway, Oslo 8925
 Southeast Asia 2256
 Turkey 11786
 Uganda, Jinja 8921
 USA 10120
 USA, Alabama, Auburn 6938
 USA, California, Davis 3637
 USA, Florida 3639
 USA, Florida, Miami 3644, 8920
 USA, Idaho, Moscow 3635
 USA, Massachusetts, Boston 3631
 USA, New Hampshire 3632
 USA, North Carolina 3630
 USA, Washington, D.C. 7940
 USA, Washington, Seattle 3634, 8922
Diatomae 6945
Hippoglossus stenolepis: I, Pacific 1090
Penaeidae: India, Narakkal 5774
 Cruises: ASE, Adriatic 1112
 Fishery technology: British Isles 2286
 Marine ecology: British Isles, Scotland 2285
 Marine fisheries: British Isles 3368
 Natural resources: USA, California, La Jolla 14
 Natural resources: USA, Florida 2254
 Reports 2272
 Research programmes 2272
 Water resources: USA, Hawaii 1094
- Research programmes,**
 1091, 3642, 4600, 4602, 5773, 6955, 12162, 12532, 12539, 12573, 13564
 Africa 8921
 AN 12590
 ANE 4599, 12589
 ANE, Baltic 8927, 12401
 ANE, Bristol Channel 3156
 ANE, British Isles, Devon, Exe R. 6981
 ANE, Germany F.R. 9829
 ANE, Northern Baltic Sea, Finland 4210
 ANW, USA 3648
 ANW, USA, Massachusetts 4390, 4391
 ASE 1103
 ASE, Mediterranean 2269
 ASE, North-West Africa 4659, 7970
 ASE, South East Atlantic 11224
 ASW, Caribbean 3643
 ASW, USA, Louisiana 3651
 Australia 11286
 Bangladesh 1102
 Canada 12541, 12542, 12623
 Canada, Nova Scotia, Halifax 13910
 France 12547
 Germany, F.R. 8928, 12450
 Ghana, Volta L. 3653
 India 13855
 India, Barrackpore 2264
 INE, USA, California 3650

NW, Korea Rep. 3653
 SE, Peru 3653
 SEW, Indonesia 10031
 SEW, Philippines 13526, 13527
 SW 3653
 Lithosphere 7046
 Norway 5422
 Peru 4601
 Philippines 12732, 13523, 13525, 13577, 13579
 PN 12543, 12544, 12545, 12604
 PSW, South West Africa 11226
 PSW, Southern African Coast 11225, 11239, 11240
 Romania 4603
 Southeast Asia 2256
 USA 3641, 3647
 USA, Louisiana 3652
 USA, Massachusetts 12618
 USA, Massachusetts, Cambridge 3649
 USA, North Carolina 3630
 USSR, Kamchatka, Dal'nee L. 4605
 World Ocean 10122, 10123
 World oceans 5919
 World tropical waters 13586
Algae: ASE, Spain 13890
Algae: ISEW, Philippines 12733
Cetacea 13065, 13847
Clupea harengus: ANE, Georges-Bank 6874
Clupea harengus: ANE, North Sea 6875
Craspedacusta sowerbii: USA, Inland waters 9167
Delphinus delphis: ASE, Black Sea 13758
Delphinus delphis: INE 13758
Dermochelys: ISEW, Malaysia 11152
Euphausia superba: PSW, Antarctica 6847
Gadus morhua: ANE, Baltic 6804
Invertebrata: ISEW, Philippines 12714
Invertebrata: Philippines 12780
Lipotes vexillifer: China, People's Rep., Tung Ting L. 13518
Monachus monachus 13072
Phocoena dioptrica: ASW 13067
Phocoena spinipinnis 13837
Physeter catodon 13849
Pinnipedia 13847
Pisces: Philippines 12936, 13622
Polyplacophora: INE, USA, California 7942
Scombridae 2287
Sirenia 13065
Stenella: ISE 13840
 Aquaculture: ISE, French Polynesia 855
 Financing: France 26
 Fisheries: IS, Pacific 2275
 Fisheries: ISW, Tanzania 2276
 Fisheries data: Ivory coast, Kossou L. 970
 International agreements: France 1076
 International exchange: ASE, Adriatic 2277
 Marine pollution 1938
 Research institutions: India, Barrackpore 8
 Research institutions: *Mammalia*: USA 5
 Territorial waters: France 1076
 Yield: *Pinnipedia*: IN 1809

Research vessels,

3675, 4634, 4635, 5789, 5790, 5791, 5793, 6955, 7957, 8947
 INE, USA, California, San Diego Bay 109
 Netherlands 2305, 2317
 Norway, Bergen 11304
 PN, Arctic 7953, 7954
 PSW, Antarctica 6847
 USA 5792, 6797
 USSR 11314
 Directories: USA 1123
 Oceanographic data: PSW, Scotia Sea 1121
 Oceanography: Spain 1122

Reservoirs,

2876, 4687, 4727, 5418, 5861, 5931, 6685, 8065, 9817, 10199, 10259, 12277, 13507
 Canada, Ontario, Trent R. 8906
 Germany, D.R. 4728
 Germany, F.R., Bavaria 8067
 Iran 2421
 Netherlands, Inland waters 12711
 Poland, Rega R. 10257
 USA, California 3743
 USA, Mississippi 4307
 USA, New York, Hudson R. 5528
 USA, North Dakota, Oahe L. 6990
 USA, Pennsylvania, Muddy Run 13508
 USA, Utah, Deer Creek Reservoir 7056
 USA, Virginia, Smith Mountain Reservoir 13509
 USA, West Virginia 5535
 USA, West Virginia, Spruce Knob Lake 11426
 USSR, Inland waters 6989
Chironomidae: Poland, Sola R. 6394
Pisces: India 12451
Salmo gairdneri: USA, Idaho 13700
Benthos: *Invertebrata*: USA, North Dakota, Oahe L. 7549
Benthos: *Invertebrata*: USA, South Dakota, Oahe L. 7549
 Commercial fishing: *Osteichthyes*: USA, North Dakota, Oahe L. 7781
 Community composition: *Invertebrata*: USA, North Dakota, Oahe L. 7549
 Ecology: USA, Dakota, Oahe L. 6937
 Ecology: USA, North Dakota, Oahe L. 7607
 Ecology: USA, South Dakota, Oahe L. 7607
 Ecosystems: USSR, Inland waters 1902
 Energy flow: USSR, Inland waters 1902
 Fishery surveys: USA, Dakota, Oahe L. 6937
 Fishery surveys: *Hiodon alosoides*: USA, South Dakota, Oahe L. 7499
 Fishery surveys: *Osteichthyes*: USA, South Dakota, Oahe L. 7788, 7843
 Flood control: USA 2037
 Geographical distribution: *Ictiobus cyprinellus*: USA, South Dakota, Oahe L. 7498
 Growth rate: *Ictiobus cyprinellus*: USA, South Dakota, Oahe L. 7498
 Habitat improvement: USA 2037
 Heavy metals: *Salmo gairdneri*: USA, Colorado 4356
 Limnological data: *Crustacea*: USA, North Dakota, Oahe

- L. 7540
 Limnology: Yugoslavia, Djerdap Reservoir 3340
 Nannoplankton: USSR, Inland waters 1902
 Pollution effects: *Salmo gairdneri*: USA, Colorado 4356
 Production (biological): USSR, Inland waters 1902
 Stock assessment: *Pisces* 942
 Water quality: USA, Kentucky, Kentucky Reservoir 588
 Water quality: USA, Tahoe L., Indian Creek Reservoir 654
 Zooplankton: *Crustacea*: USA, North Dakota, Oahe L. 7540
 Zooplankton: *Crustacea*: USA, South Dakota, Oahe L. 7540
- Resource availability,**
Algae: World Ocean 3478
Diaptomus 12138
Puntius pulchellus: India, inland waters 13697
 Predictions: *Oncorhynchus gorbusha*: INE, USA, Alaska 965
- Resource conservation,**
 3646, 6775
 ISEW, Marianas, Tinian Isl. 4403
 Japan 7889
 USA, Utah, Uinta Mountains 5551
 World waters 11149
Cetacea 7329, 7330
Mammalia: World oceans 6351
Merluccius merluccius: ASE, Biscay Bay 13767, 13768
Oncorhynchus nerka: USSR, Okhota R. 781
Pinnipedia 7329, 7330
 Fishery management 479, 3604
- Resource development,**
 4520, 7933, 7941, 11428, 13581, 13592
 ANW, USA 3818
 ASE, Italy 2060
 ASE, Mauritania 13533
 ASE, Nigeria 12311
 ASW, Caribbean Is. 10009
 ASW, USA, Florida, Biscayne Bay 4428
 France 12546, 12547, 13540
 INW 9964
 ISE, Mexico 6868
 ISE, Peru 4435
 ISEW, Hong Kong 13536
 ISEW, Marianas, Tinian Isl. 4403
 ISW, Persian Gulf 12310
 ISW, Red Sea 12310
 ISW, Saudi Arabia 8929, 12310
 ISW, Yemen, Arab Rep. 6949
 ISW, Yemen, Arab Rep. 10025
 Italy, Cilento 11170
 Japan 7889
 Nigeria 10241
 Philippines 13523
 PSE, Bass Strait 3374
 Tunisia 3373
 United Arab Emirates 4439
 USA 3821
 USA, New York, Hudson R. 11140
 USA, Texas 3633
 USSR, Ladoga L. 6899
- Vietnam, Mekong, R. basin 13583
 World littoral waters 11151
 World ocean 2
 World Ocean 10079
Anguilla: Eire, Shannon R. 13825
Anguilla: Eire, Wexford 13825
Anguilla: ISW 6867
Bivalvia: ANW, Canada, Iles-de-la-Madeleine 8838
Chelonia mydas: ISW 6349, 6839
Cladophora 2183
Crasostrea gigas: ASE, Tunisia 7834
Crassostrea virginica: ASW, Mexico Gulf, Tamaulipas 7835
Crustacea: ASW 12410
Crustacea: ISW, Bengal Bay 12444
Engraulis: Peru 3496
Ethmolosa: ASE, Morocco 12443
Katsuwonus pelamis: IS, Pacific 12445
Macrocystis pyrifera 6842
Mugilidae: India 6831
Oncorhynchus: INE, USA, Washington 13633
Oratosquilla nepa: ISW, India 4516
Penaeidae: India, Narakkal 5774
Pisces: ASE, Algeria 7849
Pisces: Assad L. 8926
Pisces: ASW 12410
Pisces: Congo, People's Rep. 10076
Pisces: India 12406, 12497
Pisces: ISW, Bengal Bay 12444
Salmo gairdneri: USSR 7809
Salmonidae: USSR 7811
Scombridae: ASW, Brazil 12324
Scombridae: ISW, India 12408
Sirenia 2057
Tilapia melanotheron: Africa 6826
Zostera 2183
 Agropisciculture: Central Africa 884
 Commercial fisheries: ISW, India, Gujarat 2062
 Fish conversion: *Paralepis rissoi* 3518
 Fisheries 1024
 Fisheries: *Scombridae*: ISW, India 3378
 Fishery industry: ISE, Peru 3489
 Fishery products 3502
 Fishery products: *Sarda chiliensis*: Peru 3542
 Littoral zone: ANE, France, Brittany 809
 Marine aquaculture: *Mugilidae* 800
 Processing fishery products: *Euphausia superba* 3499
 Rivers: Asia, Mekong R. 2279
 Shellfish fisheries: ASW, Guyana 3372
 Trash fish 3586
 Water resources: USSR 2445
- Resource management,**
 3646, 4604, 4691, 5557, 5626, 5732, 5935, 6916, 6917, 7600, 7749, 7904, 7933, 7936, 7941, 10243, 11273, 12291, 13413, 13598
 Africa, Inland waters 7752
 Africa, Sahelian zone 2266
 ANE, Belgium 5873
 ANW, Chesapeake Bay 5782
 ANW, USA 4425
 ASE, Adriatic 12100, 12298

ASE, France 12133
 ASW, USA 6190
 ASW, USA, Florida 4555
 ASW, USA, Florida, Biscayne Bay 4428
 ASW, USA, Mississippi 11857
 British Isles, Hertfordshire 4291
 Canada 3825, 5515, 5547
 Germany, Fed.Rep., Inland waters 12281
 Niger 2266
 USA 3821
 USA coasts 12701
 USA, New England 7764
 World littoral waters 11151
 World ocean 2293
 World Ocean 7903
Callorhinus ursinus: IN 13842
Decapoda: ISW, India, Gujarat 12452
Odontoceti: ASE, Black Sea 13844
Oncorhynchus: Southeast Asia coasts 432
Physeter catodon: World Oceans 13829
Pisces: ISEW 12504
Pisces: ISW, India, Gujarat 12452
Pisces: Netherlands, Tienhoven 13123
Salmo gairdneri: USA, North Carolina, Inland waters 13703
Salmo salar: USA, New England 7395
Tresus capax: INE, USA, California, Humboldt Bay 7860
 3343
 Fishery organizations 13
 Mineral resources 1250
 Ocean floor 1249, 3604, 3605
Respiration,
 Yugoslavia, Inland waters 5397
Abedus herberti 4134
Acrochordidae 5215
Algae 10178
Algae: ASW, Bahama Is. 9779
Ambystoma tigrinum 13101
Amphipnous cuchia 10632, 13033
Amphora coffeaeformis 11529
Anabas testudineus 8395
Artemia salina 7219
Bagarius bagarius 3990, 6218
Caiman crocodilus 13113
Calamoecia lucasi 4150
Callianassa californiensis 11702
Callinectes sapidus 4987
Carcinus maenas 4990
Cardium lamarcki 9096
Caulerpa racemosa 13439
Chaenocephalus aceratus 8385
Chaenocephalus aceratus: PS, Antarctic Ocean 10606
Chaetognatha: ISE 3115
Chelonia 5125
Chrysemys picta 10698
Ciliata 12835
Clarias batrachus 6287
Crangon vulgaris 11703
Crustacea: ISE 3115
Ctenophora: ISE 3115

Cylindrotheca fusiformis 4796
Cyprinus carpio 9435
Cystophora cristata 9501
Daphnia magna 10509
Decapoda 11691
Diemictylus viridescens 8476
Dissostichus mawsoni: PSE, McMurdo Sound 11820
Eschrichtius robustus: INE, USA, California 1597
Fucales 10749
Gammarus oceanicus 9096
Gasterosteus aculeatus 7318
Gillichthys mirabilis 7302
Glyptonotus antarcticus 9573
Hydrophiidae 5215
Invertebrata: PS 12724
Laboe capensis 6284
Latimeria chalumnae 13062
Macrognathus aculeatus 8398
Mopalia lignosa: INE, USA, California, Monterey Peninsula 8239
Mya arenaria 9096
Mytilus edulis 9096, 9251, 9252
Neoplea striola 5004
Nereis diversicolor 9096
Nereis virens 7169
Nereocystis luetkeana 7097
Niphargus rhenorhodanensis 13219
Nitella acuminata 9163
Nymphula nymphaeata 9327
Opsanus tau 10654
Pagophilus groenlandicus 9501
Phasganophora capitata 7228, 13488
Physeter catodon: PSW, South Africa 11828
Pisces 4033, 11815, 12212
Pisces: ISE 2839
Pisidium walkeri 12864
Planorbarius corneus 11634
Plethodontidae 8475
Polyplacophora 8240
Pseudemys scripta 10694
Pseudobranchius striatus 8476
Ptychodera flava 5119
Rana 10699
Rhigophila dearborni: PSE, McMurdo Sound 11820
Sabellastarte magnifica 6066
Salmo gairdneri 8402, 8760
Salmo salar 9427
Simocephalus vetulus 13482
Siphonophora: ISE 3115
Siren lacertina 13114
Skeletonema costatum: ANW, Hudson Bay 13174
Sphaerodema molestum 5007
Taricha torosa 8476
Testudo graeca 10694
Thunnidae 13047
Tilapia mossambica 8394
Tonicella lineata: INE, USA, California, Carmel Point 8238
Trematomus lonnbergi: PSE, McMurdo Sound 11820
Triturus vulgaris 10763
Xenopus laevis 4050

Biological oxygen demand: *Arctica islandica* 1415
 Biological oxygen demand: *Mytilus edulis* 1415
 Blood: *Labeo* 299
 Chemical composition: *Pleuroncodes planipes* 1460
 Culture media 5953
 Light effects: *Chlorella* 1336
 Oxygen depletion: *Homarus americanus* 233
 Respiratory organs: *Anura* 315
 Respiratory quotient: *Copepoda* 2718
 Temperature effects: *Stentor coerules* 1384

Respiratory organs,

Amphipnous cuchia 6275
Anabas testudineus 8395
Anguilla anguilla 9403
Anodonto anatina 10865
Antimora rostrata 6292
Argyroneta aquatica 12933
Arthropoda 10496
Bagarius bagarius 6218
Branchiostoma californiense 8424
Bufo marinus 8426
Chaenocephalus aceratus 8385
Crocodylidae 13088
Cyprinus carpio 10543, 11824
Eptatretus burgeri 2853
Galemys pyrenaicus 13087
Hemipterites americanus 10611
Jaera nordmanni 10741
Lampetra 5068, 9349
Leptonychotes weddelli 4044
Limulus 10496, 11692
Macrogynathus aculeatum 10567
Modiolus modiolus 12862
Mugilidae: PSW, South Africa 5012
Neoplea striola 5004
Oncorhynchus kisutch 13012
Petromyzon marinus 9362
Pimephales promelas 11818
Pisces 2836, 7298
Polyplacophora 8240
Saccobranchus fossilis 6211
Salmo gairdneri 3287, 10636, 11021, 11085
Scyllorhinus stellaris 10613
Simuliidae 12928
Spisula solidissima 7413
Squalus acanthias 10610
Teleostei 5073
Tilapia mossambica 5086
 Nervous systems: *Homarus americanus* 2712

Respiratory pigments,

Anguilla anguilla 9436
Annelida 9215
Coregonus pollan 10584
Gracilaria verrucosa 7122
Homarus 6164
Katsuwonus pelamis 13006
Labeo umbratus 7325
Myxicola 9215
Pherusa 9215
Rhodophyceae 10353

Spirographis spallanzanii 3921
Thunnus thynnus 13006
 Respiration: *Callinectes sapidus* 2713

Respiratory quotient,

Algae 8123
Copepoda: AS 2720
Copepoda: ISE 2720
Coregonus autumnalis 6453
Gammarus pulex 7217
Leuciscus idus 6453
Pisces: ISE 2839
Thymallus arcticus 6453

Respiratory system,

Ictalurus melas 5083
Petromyzon marinus 2829
Salmo gairdneri 5083

Resting spores,

Diatomae 7083

Reviews,

5937, 7993, 8668, 8729, 10109, 11323, 11344, 12215,
 12259, 12682, 13423
Acroeuria: Nearctic Region 11713
Balaenoptera acutorostrata: PS 13832
Balaenoptera borealis: PS 13831
Diptera 11145
Dugong dugong 13063
Phocaena phocaena: Finland 12518
Pisces 11260
Pogonophora 10369
Rallus longirostris: America 10664
Vaucheria pseudo-germinata 7086
Zosteraceae: USA coasts 11457

Rheotaxis,

Salmo gairdneri 4292

Rhythms,

Cirrhina reba 12988
Periophthalmus cantonensis: INW, Japan, Ariake
 Sound 11907

Rip currents,

11384

River discharge,

ANW, Gulf Stream 3733
 ANW, St. Lawrence Estuary 13397
 ASE, Italy, Po Delta 10927
 ASE, Spain, Ebro delta 12679
 British Isles, Cumberland Basin 8052
 France, Durance R. 9778
 ISW, India, Mandovi Estuary 10183
 South West Africa, Swakop R. 8039
 USA, Nebraska, Missouri R. 8014
 USSR, Inland waters 7490, 11398
Esox lucius: USSR, Volga Delta 12285
Silurus glanis: USSR, Volga Delta 12285
 Current meters 1138

River fisheries,

Germany, Fed. Rep., Moselle R. 12308
Anguilla: Eire 13779
 Inland fisheries: British Isles, Scotland, Aviemore 1108

River flow,

- 4102, 8001, 8904
- Australia, Victoria, Melbourne 8053
- British Isles 8055
- British Isles, Devon, Dart R. 8066
- British Isles, England, Frome R. 5856
- British Isles, England, Yorkshire, River Tees 4723
- Canada, Prairies R. 9051
- Czechoslovakia, Gabčíkovo 8638
- Germany, F.R., Inland waters 8903
- India, Mandovi R. 10183
- USA, Minnesota, Marcell Experimental Forest 7979
- USA, New York, Fall Creek 8788
- USA, Ohio, Inland waters 10234
- Bufo*: Japan, Nara Prefecture, Mt.Ohdaigahara 6357
- Chaoborus*: Africa, Mwenda R. 8521
- Escherichia coli*: ANW, USA, Chesapeake Bay, Rhode R. 12171
- Salmo trutta* 11787
- Mathematical models: Germany, F.R., Lahn R. 1244
- Seasonal variations: Jamaica, Blue Mountains 79

Rivers,

- 10249, 10251, 10252, 10253, 10254, 10281, 10907, 10979, 11034
- British Isles, England, Lancashire 10954
- British Isles, Scotland 12708
- Denmark, inland waters 11370
- Uganda, Kyoga L. 4719
- USA, New England 7764
- USA, South Carolina 6665
- USA, West Virginia, Bluestone Dam 12087
- Algae* 10280
- Ancylus fluviatilis* 5186
- Bacteria* 4738, 10269
- Eiseniella tetraedra*: USA, Colorado 13336
- Fungi* 10269
- Homo sapiens*: Papua New Guinea, Wogupmeri R. 10873
- Invertebrata* 10936
- Invertebrata*: Germany, F.R., Nordrhein-Westfalen 9169
- Klebsiella pneumoniae*: USA, Georgia, Clarke County 4740
- Pisces* 10537
- Salmonellae*: USA, Georgia 3176
- Troglocaris*: France, Sauve 5377
- Vibrio* 5946
- Arsenic: British Isles, Inland waters 1963
- Pollution monitoring: USA, South Carolina 582
- Water analysis (chemical): USA, South Carolina 582
- Water management: USA 2004
- Water pollution 1946
- Water pollution: USA, South Carolina 582

RNA,

- Achlya ambisexualis* 9107
- Artemia salina* 8172, 8304, 12904
- Balaenoptera acutorostrata* 10671
- Blastocladia emersonii* 10276
- Brachydanio rerio* 7292
- Chlamydomonas reinhardtii* 12757
- Euglena* 9146, 12756

Isospondyli 9389

- Mytilus edulis*: PNW, White Sea 9270
- Peridinium cinctum* 3050
- Polycelis tenuis* 12816
- Rana temporaria* 8450
- Triturus vulgaris* 6374
- Xenopus laevis* 4053, 7336, 8445

Rocks,

- Australia, New South Wales - Victoria, Genoa R. 10218
- ISW, Aqaba Gulf 10237
- ISW, Suez Gulf 10237

Runoff,

- 4574, 4696, 5931, 6640, 8899
- Canada, British Columbia 3730
- Canada, Ontario, Big Creek 10194
- Canada, Ontario, Holland R. 3735
- Canada, Ontario, Inland waters 13376
- Canada, Ontario, Lake Simcoe 3735
- Germany, D.R. 4728
- USA, Indiana, West Little Sugar Creek 4331
- USA, Nebraska, Inland waters 13491
- USA, Oklahoma, Inland waters 4401
- USA, Washington, North Cascades 8063
- Pollution control: USA, North Carolina 2015
- Water pollution: USA, North Carolina 2015
- Water quality: USA, North Carolina 2015

Ruthenium,

- 3194, 7644
- ISW, India, Trombay 3207
- Meretrix meretrix* 13450

Safety devices,

- 5816, 2312, 2310

Safety regulations,

- 8931

Saline water,

- Aves*: ANE, Spitzbergen 10683
- Thaliacea*: ASE, Mediterranean 11546
- Air bubbles 1184

Salinity,

- 2365, 3722, 6924, 7001, 7968, 7990, 8987, 9043, 10098, 11309, 11431, 13942
- AN 12599
- ANE, Finland 5867
- ANE, Norway 2335, 11353, 11354, 11355
- ANE, Norwegian Basin 11374
- Antarctica, Bonney L. 12610
- ANW, Canada, Newfoundland 2378
- ANW, Gulf Stream 3733
- ANW, Narragansett Bay 9037
- ANW, USA, Maryland, Potomac estuary 9085
- ANW, USA, New York 3725
- ASE 12599
- ASE, Adriatic 2325
- ASE, Gambia 8996
- ASE, Lyon Gulf 4694
- ASE, Venice Lagoon, Dese R. 11388
- ASW, Cayman Trench 6985
- ASW, Puerto Rico Trench 6985
- ASW, USA, Alabama, Mobile Bay 9922
- ASW, Venezuela 5880

Australia, Victoria, Bullenmerri L. 12681
 Australia, Victoria, Gnotuk L. 12681
 British Isles, Tay R. 7991
 Gambia, Banjul R. 8996
 IN 12586, 12613
 INE, Bering Sea 7016
 INE, Howe Sound 2326, 2327, 2328, 2329
 INE, USA, Washington, Duwamish R. 9005
 INW 4649
 ISE, Ecuador, Guayas R. 9030
 ISE, Peru 2323
 ISEW, Hong Kong, Deep Bay 12582
 ISEW, Taiwan 10157
 ISW, Arabian Sea 6998
 ISW, India 10208
 ISW, Red Sea 5847
 USA, Ohio, Columbus 7065
Nassarius obsoletus 6450
Plotus alle 10684
 Annual variations: ASW, Yucatan Channel 1173
 Horizontal distribution: I, Pacific 85
 Seasonal variations: ASW, Yucatan Channel 1173
 Water temperature 3628

Salinity effects,

12165, 12182, 13346
 ASE, Mediterranean 11281
 British Isles, England, Beaulieu Estuary 9851
 Germany, D.R., Wipper R. 6744
 India, Sunderbans 13606
 Netherlands, Veere L. 3077
Aleuropus litoralis 8130
Algae 2529, 5392, 6479
Alosa sapidissima 10638
Althenia filiformis: ASE, Mediterranean 7115
Ambystoma maculatum 6371
Angiospermae: ANW, USA, Virginia 8092
Angiospermae: Canada, British Columbia 12113
Anguilla anguilla 9403, 10547
Anguilla rostrata 5069
Artemia salina 11192
Aspergillus 5715
Bacteria 2481
Bacteria: ASW, Colombia, Cienaga Grande de Santa Marta 11913
Barytelphusa cunicularis 11693
Brevoortia tyrannus 6318
Bryophyta 4111
Callinectes sapidus 4987, 10521, 11595
Carassius auratus 9884
Carcinus maenas 9307
Corophium triaenonyx 9575
Coscinodiscus eccentricus 9161
Crassostrea virginica 8233
Cyanoplax hartwegii 8242
Cyclotella cryptica 10337, 10338
Diatomaceae: INE, USA, Alaska 13225
Eurytemora affinis: ANE, Wadden Sea 8508
Fucus inflatus: PNW, Barents Sea 11505
Fucus vesiculosus: PNW, Barents Sea 11505
Gadus morhua 9577
Gammarus tigrinus: Netherlands 6392

Geloina proxima 10729
Hemigrapsus nudus 11701
Hydrobiidae 4109
Ictalarus punctatus 10640
Invertebrata: Panama, Canal Zone, Gatun Locks 5194
Isopoda 9869
Jaera nordmanni 10741
Lucifer: ASW, Brazil 4184
Malaclemys terrapin 13110
Melanogrammus aeglefinus 9577
Mollusca: ASE, Tunisia 11602
Mopalia lignosa 8239
Mugilidae 8405
Mytilus edulis 5199, 9256
Mytilus edulis: PNW, White Sea 9270
Nereis diversicolor 7170
Nuttallina californica: INE, USA, California, Point Pinos 8241
Ostracoda: ASE, Mediterranean 11285
Palaemon elegans 7401
Palaemonetes paludosus 4997
Panopeus herbstii 10745
Penaeus kerathurus 9571
Pimephales promelas 9884
Platymonas subcordiformis 2542
Poecilia reticulata 2812
Ptychodera flava 5119
Puccinellia fe stuaeformis: ASE, Mediterranean 7116
Ruppia: France, Camargue 7558
Salmo salar 13671
Saprolegniaceae 2473
Skeletonema subsalsum 10310
Thais haemastoma: ASW, USA, Louisiana 10746
Thalassia testudinum 7398
 Acclimation: *Mollusca* 2650
 Geographical distribution: *Phaeophyceae*: ANE, Sweden 2946
 Growth: *Diatomaceae* 1717
 Growth: *Phaeophyceae*: ANE, Sweden 2946
 Osmoregulation: *Rana cancrivora* 1594
 Respiratory pigments: *Callinectes sapidus* 2714

Salinity tolerance,

Anguilla anguilla 5085
Aphanotece halophytica: USA, Utah, Great Salt Lake 11460
Beneckea natriegens 5961
Callinectes sapidus 7222
Carcinus maenas 9302
Copepoda: ASE, Mediterranean 11882
Crustacea: Australia, Victoria, Corangamite L. 10983
Derocheilocaris typica 8532
Diatomae: ISW, Israel, Bardawil Lagoon 7085
Fundulus parvipinnis 7316
Galaxias maculatus 4029
Gammarus duebeni 6449
Gammarus pulex 6449
Haliclona loosanoffi 3920
Hydrobia ulvae: PNW, White Sea 5204
Idotea balthica: ASE, Italy, Venice Lagoon 9574
Insecta 13170
Isostichopus badionotus 8183

- Marinogammarus marinus* 6449
Marionina achaeta 8182
Mytilidae 12874
Palaemon ritteri 5182
Portlandia arctica: PNW, White Sea 9588
Prasinocladus marinus 11954
Salmo gairdneri 10000
Salmo irideus 5084
Salmo salar 9418, 9419, 12350
Tanais stanfordi: Galapagos, Genevesa Island, Arcturus Lake 4988
Xenopus laevis 8456
Controlled conditions: *Pachygrapsus transversus* 359
Salinometers,
8967, 8972
Thermometers 1128
Salt lakes,
Antarctica, Ross Island, Bird Pond 7002
ISW, Aqaba Gulf 11368, 11369
ISW, Aqaba Gulf, Solar L. 12157
Cerastoderma glaucum: ASE, Tunisia 11629
Crustacea: Australia, Victoria, Corangamite L. 10983
Prosthecochloris phaeoasteroidea 12730
Sporobolomyces: France, Lorraine, Inland waters 8086
Teleostei: ISW, Egypt, Arab Rep., Bardawil Lagoon 11735
Thielavia pseudomaritima: USA, Wyoming 4748
Trichocorixa verticalis: Canada, Saskatchewan 6183
Salt marshes,
5915, 6722, 8320, 9746, 12697
ANW, USA, South Carolina 9840, 10202
ASW, USA 9840, 13429
ASW, USA, Florida 12107
ASW, USA, Georgia 9786
ASW, USA, Georgia, Doboy Sound 8047
ASW, USA, Mississippi 11857
Czechoslovakia 8808
USA, Delaware 9940
USA, Delaware, Canary Creek 10288
Angiospermae: ANW, USA, Virginia 8092
Ascophyllum nodosum: ANW, USA, New York, Long Island, Flax Pond 10718
Cyanophyceae: ANE, British Isles 9782
Diatomeae: ANW, USA, Delaware Bay 8652
Fungi: ISW, Kuwait 4743
Insecta 10524
Methanobacterium thermoautotrophicum 12695
Spartina: ASW, USA, Georgia 9744
Spartina: USA, North Carolina 9321
Spartina alterniflora 11352, 12142
Spartina alterniflora: ANW, USA, North Carolina 9948
Spartina alterniflora: USA, Georgia, Savannah R. 4236
Syncrypta glomifera 5970
Talorchestia longicornis: USA, Massachusetts 10842
Turbellaria: ANE, Norway, Stjoernfjord 9171
Turbellaria: ANE, Norway, Trondheimsfjord 9171
Conservation of natural resources: *Spartina alterniflora*:
ANW, USA, New York 2039
Resource management: *Spartina alterniflora*: ANW,
USA, New York 2039
Tides: *Spartina alterniflora*: ANW, USA, New
York 2039
Water level: *Spartina alterniflora*: ANW, USA, New
York 2039
Salts,
Platichthys stellatus 13016
Rhodotorula glutinis 10823
Water pollution: USA, Oklahoma 2006
Sampling,
11296
Fisheries data: Ivory coast, Kossou L. 970
Sampling (biological),
957, 3671, 5446, 7520, 7965, 8073, 8484, 8485, 9704,
10264, 11165, 11277, 12718
ASE, Canary Is. 6440
Belgium, Meuse R. 13345
British Isles, Wales, Inland waters 11436
Canada, Gentilly, St. Lawrence R. 7748
Canada, North West Territory, Yellowknife 6572
INW 4651
ISEW 4651
ISEW, Great Barrier Reef, Heron Reef 10926
Netherlands, Tienhoven 12736, 13122
New Zealand, Rotorua L. 9090
Algae 9513, 9705
Algae: ANW, USA 5485
Algae: Netherlands, Tienhoven 12738
Cephalopoda: INW, Japan 13140
Chironomidae 11437
Chironomidae: USA, Pennsylvania, Linesville
Creek 9319
Decapoda: PSW, Chile, Bay of Concepcion 5145
Diatomeae: Netherlands, Tienhoven 12737
Donax fosser: ANW, USA, Virginia, Wallops I. 11890
Echinodermata: PSW, Chile, Concepcion Bay 5129
Gadidae 12429
Gastropoda 8069
Haliotis ruber: PSE, Tasmania 11234
Halobates: ISW, Persian Gulf 5387
Invertebrata: ANW, USA 5485
Mollusca 10265
Mollusca: INW, Japan, Mutsu Bay 10425
Pisces: ANW, Long Island Sound 7570
Pisces: Ghana, Volta L. 12435
Pisces: INE, USA, California, Santa Monica Bay 7728
Pisces: ISW, Persian Gulf 5387
Pisces: Netherlands, Tienhoven 13123
Rotifera: Nepal 3861
Scombridae: ASE, Canary Is. 12414
Scombridae: ASW, Puerto Rico 12025
Sebastes: ANW, Canada 12409
Thunnus 13804
Vibrio parahaemolyticus: ANE, Netherlands 8072
Electric fishing: *Cyprinidae*: British Isles, Dorset 939
Fishery management: Ghana, Volta L. 935
Fishery surveys 960
Fishing gear: *Pisces*: British Isles, Windemere L. 820
Gear selectivity 1263
Gillnets: Finland 936
Ichthyoplankton 956
Ichthyoplankton: *Stizostedion vitreum*: USA, New York,
Oneida L. 1008

- Line fishing gear: INE, USA, California 816
 Marshes: *Pisces*: British Isles, Devon, Slapton Ley 953
 Methodology 1258
 Methodology: *Pisces*: Canada, British Columbia 961
 Microorganisms 1258, 2879
 Production (biological): *Chironomidae*: Germany, Fed.Rep., Hessen, Breitenbach 241
 Production (biological): *Chironomidae*: Germany, Fed. Rep., Hessen, Rohrwiesenbach 241
 Stock assessment: *Salmo salar*: British Isles, Scotland, North Esk R. 1007
 Stupefying methods: *Pisces* 828
 Surrounding nets: *Pisces*: Czechoslovakia, Danube R. 1012
 Thermal pollution: *Pisces*: France, Montereau 419
 Toxicants: *Pisces* 942
 Toxicants: *Pisces*: Brazil, Pereira de Miranda Reservoir 941
 Toxicants: *Pisces*: Finland 943
 Traps: *Anguilla*: Eire 954
 Traps: *Pisces*: Poland 955
 Trawling: INE, USA, California 816
 Underwater photography: INE, USA, California 816
 Zooplankton 1970
- Sampling (statistical),**
 6662, 9704, 10033, 11165, 11277, 12032, 12427
Pisces 13242
Scombridae: A, Atlantic 3427
- Sands,**
 12189
 ASW, USA, Georgia 3819
 Germany, F.R., Weser R. 8003
 USA, Iowa 12707
Ciliata: ASE, Black Sea 11920
Ocypodidae: INW, Japan, Gamo Lagoon 10744
 Resource development: ASW, USA, Georgia 108
 Test equipment: ASW, USA, Georgia 108
- Sanitary engineering,**
 3322
 Ships: USA 715
- Satellites,**
 3676, 5801, 5802, 5803, 5804, 5806, 8975, 9002, 10135, 10139, 10140, 11120, 12680, 12692
 ANW, USA, North Carolina 10133
 ASW, Brazil 3681
 IS, Pacific 3679
 ISE, Colombia 3680
 World Ocean 6962
 World polar regions 6961
- Scale reading,**
 ANW 11948
Anguilla 13205
Macrouridae: ANW 11948
 Aging methods: *Tilapia*: Malagasy Rep., Itasy L., Mantasoa L. 373
- Scales,**
Cyprinus carpio 11805
Hydrophiidae 10666
Percina 8344
- Pisces* 8349, 10570
Pomatomus saltatrix: ANW, USA, New Jersey 10579
Tilapia mossambica 10548
- Schooling behaviour,**
Ammodytes hexapterus: ANW, Long Island Sound 10781
Ammodytes hexapterus: ANW, St.Lawrence Gulf 10781
Barbus holubi 11946
Cetacea 8548
Cichlasoma nigrofasciatum 13189
Clupea harengus: ANW, Long Island Sound 10781
Clupea harengus: ANW, St.Lawrence Gulf 10781
Coregonus autumnalis 11943
Crenimugil crenilabris: ISEW, Marshall Is., Eniwetok 11791
Cyprinus carpio 11946
Jenkinsia: ASW, Grand Cayman 2742
Katsuwonus pelamis 13315
Mallotus villosus: PNW, Barents Sea 11889
Pisces 4122, 9599, 12031, 13192
Raninidae: ASW, West Indies, St. Lucia 13194
Stenella attenuata: INW, Japan 9456
Tilapia mossambica 11946
- Scientific personnel,**
 10113
- Scin,**
 Cells: *Lebistes reticulatus* 1511
- Screens,**
Oncorhynchus tshawytscha: USA, California, Merced R. 7865
- Sea bed conventions,**
 2291
 France 1077
 World ocean 5729
- Sea grass,**
 ANE, Wadden Sea 7563
 ASW, Caribbean 7035
 ISEW, Australia, Queensland, Moreton Bay 7564
 ISW, Australia, Western Australia 7346
 ISW, India, Mandapam 9775
 ISW, Red Sea 4755
Algae 7591
 Evolution 3101
 Marine ecology 3101
- Sea ice,**
 ANW, Canada 7028
 ANW, Greenland 7007
 ANW, St.Lawrence Gulf 12595
 Japan 6967
 PN 12543, 12544, 12604
 PN, Arctic 3791
 PS, Antarctica 3791
 PS, Ross Sea 3767
 PSW, Weddell Sea 5917
 World polar regions 6961
 Physics: PNE, Beaufort Sea 1193
 Wind-driven currents: PNE, Beaufort Sea 1193
- Sea law,**
 2291, 2295, 4537, 4567, 4569, 4608, 5561, 5562, 5731,

- 5745, 7902, 7904, 8950, 10091, 10092
 Africa 5739
 AN 6950, 7049, 7778, 7905, 7907, 7908, 7909, 7910, 7911, 7912, 7913, 7922
 ANE 7906
 ANW 6897
 ASE, Mediterranean 2060, 2235
 ASW, Caribbean 4539, 4540, 4541
 ASW, Mexico Gulf 4541
 Caribbean region 3655
 Central America 5738
 France 1077, 1080
 Germany, F.R. 10090
 Pacific 12505
 South America 5738
 USA 5746
 World ocean 5729, 5735, 5736, 5737, 5740, 5743, 5744, 5746, 5747, 5748, 5749, 5750, 5751, 5752, 5753, 5754
 World Ocean 6737, 7903, 12505
 Continental shelf: France 1073, 1074, 1076, 1079
 Fisheries regulations: France 1079
 Geography 1243
 Marine pollution: France 1079
 Ocean floor: France 1073
 Research programmes: France 1076
 Resource development 2232
 Sea bed conventions: France 1073
 3603
 Territorial waters: ASE, Mediterranean 3602
 Territorial waters: France 1074, 1079
Sea level,
 ANE, Baltic 1200, 2405
 ASE, Italy, Trieste 5886
 ASE, Mediterranean, Roussillon Shelf 7024
 ASE, Morocco 10195
 Pacific 9050
 IS, Pacific 12584
 ISE, Western Samoa 10200
 ISEW, Guam 12103
 PSE, Australia, New South Wales 7023
 PSW, South Africa Rep. 9063
 USSR, Caspian Sea 10977
 Bottom topography: PSE, New Zealand, South Kaipara 89
Sea water,
 3049, 3704, 3727, 5857, 5858, 6965, 9008, 11296, 11318, 11326, 11357, 13417
 Bacteria 7074
 Microvibrio 7074
 Shigella sonnei 9110
 Vibrio parahaemolyticus 1055
 Chemistry 73
 Public health: Vibrio parahaemolyticus 2213
Seasonal variations,
 5333, 5762
 10893, 13388
 ANE, British Isles, Liverpool Bay 11350
 ANE, British Isles, Southampton Water 3347
 ANE, North Sea 3076
 ANE, Poland 13511
 ANW, Labrador Current 4201
 ANW, St. Lawrence Estuary 11362
 ANW, USA, Virginia, Lafayette R. 6573
 ASE, France 12133
 ASE, Ivory Coast, Ebrie Lagoon 10164
 ASE, Morocco 12579
 ASW, Mexico Gulf 3756
 Brazil, Amazon R., Castanho L. 12105
 British Isles, England 6995
 British Isles, England, Rostherne Mere 5171
 British Isles, England, Yorkshire, River Tees 4723
 India, Mandovi R. 10183
 INE, California current 12683
 INW, Korea Strait 5879
 INW, Kuroshio Current 9038
 IS, North Equatorial Current 12635
 ISEW, Hong Kong 7052
 ISW, Sri Lanka 8035
 Japan, Taru R. 6575
 Netherlands, Vechten L. 12608
 New Zealand, Inland waters 9813
 New Zealand, Ototoa L. 9713
 Poland, Kortowskie L. 11365, 11366
 USA, Arizona, Upper Lake Mary. 3085
 USA, Florida, Inland waters 6574
 USA, Utah, Great Salt L. 10970
 USA, Washington, North Cascades 8064
 USA, West Virginia, Monongahela R. basin 11322
 USA, West Virginia, Spruce Knob Lake 11426
 Acantharia: A, Atlantic 4195
 Algae: ANW 12081
 Algae: ANW, Narragansett Bay 5337
 Algae: ASE, Adriatic 11464
 Algae: British Isles, England 9730
 Algae: Germany, D.R., Saale R. 5303
 Algae: Hong Kong, Plover Cove Reservoir 2492
 Algae: INE, USA, Washington 10955
 Algae: INW, Japan, Honshu 9700
 Algae: Sweden, Erken L. 13404
 Algae: USA, California 5395
 Algae: USA, West Virginia, Smith's Run 11456
 Amphibia: Ivory Coast 13337
 Anguilla: ANE 13343
 Anguilla: Poland, Narew R. basin 13781
 Anisoptera: Mexico, Mazatlan, Inland waters 12925
 Azygia lucii 12015
 Bacteria: ANE, North Sea 5180
 Bacteria: ANW, Chesapeake Bay, Rhode R. 2881
 Bacteria: ANW, USA, Chesapeake Bay 8079
 Bacteria: ANW, USA, Maryland, Baltimore Harbour 4742
 Bacteria: ANW, USA, Virginia, Chincoteague Bay 13298
 Bacteria: USA, Tennessee, Reelfoot L. 13333
 Boophthora erythrocephala 12930
 Bosmina longirostris: USA, Michigan, Frains Lake 4106
 Bryopsis maxima: INW, Japan 13214
 Callinectes sapidus: ANW, USA, Virginia, Chincoteague Bay 13298
 Catostomus: USA, Utah, Weber R. 10594
 Cerastoderma edule 6081
 Cerastoderma glaucum: ASE, Tunisia 11629

- Ceratium*: INW, Japan 12734
Ceratophyllum demersum: Netherlands, Vetchen L. 13395
Chaetognatha: ANE, Eire, Galway Bay 7539
Chaetognatha: ASW 4181
Chelonia mydas 5200
Chondrus crispus 9777
Cichlidae: Malawi, Malawi L. 7839
Cladocera: ASE, Italy, Mantova L. 12057
Cladocera: Italy, Mantova L. 13327
Cladocera: USA, Michigan, Lawrence L. 8617
Clarias batrachus 8396
Clausocalanus: AN 12058
Clupeidae: ASE, Spain 12977
Copepoda: ANE, Norwegian Basin 5339
Copepoda: ANW 12081
Copepoda: ASE, Athens Gulf 12020
Copepoda: ASE, Spain, Menor Sea 12076
Copepoda: ASW, Brazil 9699
Copepoda: INE, USA, Washington, Seattle, Union Bay 8622
Copepoda: INW, USSR, Sakhalin 9701
Copepoda: PNW, Barents Sea 5339
Copepoda: PSW, Chile 6558
Crangon crangon: ANE, Wadden Sea 8522
Crepidostomum cooperi: Canada, Ottawa R. 7477
Crustacea: ASE, Ivory Coast 10914
Culicidae: Czechoslovakia, Zahorska Lowland 9324
Culicoides: USA, North Carolina 9321
Cumacea: ASE, Ivory Coast 10915
Cyanophyta: ASE, France, Thau Basin 11466
Cyprinus carpio 5233
Diacyclops bicuspidatus: America, Erie L. 9708
Diaptomus dorsalis: Pakistan, Kinjher L. 13358
Diastylis sculpta: ANW, Canada, New Brunswick, Passamaquoddy Bay 11653
Diatomaceae: ANE, Norwegian Basin 5339
Diatomaceae: PNW, Barents Sea 5339
Diatomeae: Yugoslavia, Ohrid L. 8629
Diptera: USA, Oklahoma, Honey Creek 11707
Dreissena polymorpha: Poland, Mikolajskie L. 6611
Dugesia polychroa: ANW, Canada, Toronto 5248
Echinaster 10406
Elodea canadensis: Netherlands, Vetchen L. 13395
Engraulis japonica: INW, Japan Sea 10987
Ephemerella ignita: British Isles, Dorset, Bere Stream 10891
Ephemeroptera: Czechoslovakia, Inland waters 13386
Ericymba buccata: USA, Indiana, Vigo County 9624
Euchaeta norvegica: ANE, Norway 9299
Eucheilota paradoxa: INW, Japan 4854
Euthecosomata: ISW 11880
Foraminifera: ISW, India, Visakhapatnam, Chipurupalle 9696
Fucus: ANE, Baltic 12109
Fucus distichus: ANW, Canada, Nova Scotia 9144
Fungi: ANE, Germany, F.R., Weser estuary 12158
Gambusia 8367
Gammarus 2876
Gasterosteus aculeatus 7234
Gastropoda 5302
Gelidiella acerosa 5229
Glyptothorax kashmirensis: India, Kashmir 5044
Gyrodactylus 12796
Invertebrata: Poland, Mikolajskie L. 13364
Invertebrata: USA, New York, Montezuma Natl.Wildl.Refuge 9720
Labidocera aestiva: ANW, Cape Cod Bay 6555
Larus canus: USSR, Northern Kazakhstan, Naursum Reservation 8584
Lecane eswari: India, Andhra Pradesh 12798
Lepomis macrochirus 13188
Monobothrium ulmeri: USA, North Carolina, Raleigh L. 13300
Monotosporella tuberculata: Hungary 9105
Mugil cephalus 13044
Mugil cephalus: ASW, USA, Texas 4128
Mysidacea: ASE, Aegean 4197
Mytilus: ASE, France 8730
Mytilus edulis: ANE, British Isles, Devon 9253
Oligochaeta: Poland, Sola R. 6394
Oliva sayana 12153
Oncorhynchus: INW, Pacific 9521
Oryzias latipes 9412
Oscillatoria redekei: British Isles, Longh Neagh 2974
Ostracoda: AN 12061
Ostrea edulis: ANE, Menai Strait 2978, 9263
Pampus argenteus 13878
Paranephrops zealandicus 12916
Perca fluviatilis: British Isles, Devon 4485
Phocoidae: ANE, North Sea 7389
Phoronis psammophila 13261
Phoxinus phoxinus 9567
Phragmites communis 3128
Phragmites communis: Poland, Mikolajki 2539
Physeter catodon: ISW 10048
Pisces: ANW, USA, South Carolina 12941
Pisces: INE, USA, Washington, Seattle, Union Bay 8622
Pisces: INW, Yellow Sea 10799
Pisces: ISEW, East China Sea 10799
Pisces Invertebrata: ASW, USA, Florida, Apalachicola Bay 11895
Pisidium walkeri 12864
Plathemis lydia 8318
Plecoptera: Austria, inland waters 8312
Plethodon wehrlei: USA, Pennsylvania 11979
Pollachius virens: ANE, North Sea 5095
Pollachius virens: ANE, North Sea 5094
Pomacea paludosa: USA, Florida, Everglades 5307
Porites lobata 6471
Porphyra 11494
Proboscicactyla ornata 7166
Proctoeces maculatus 12008
Protozoa: Poland, Mikolajskie L. 6567
Pseudopleuronectes americanus 13041
Pulmonata 4941
Pycnopodia helianthoides: INE, USA, Alaska, Prince William Sound 5264
Rana pipiens 13108
Rana temporaria 9492
Rutilus rutilus: Finland, Kiutajaervi L. 10889
Sagitta: ASE, Mediterranean 13350

- Almo gairdneri* 12981
Alvelinus malma: INW, Japan 9522
Apoglegniaceae: USA, New York, Wallkill R. 10975
Chizothorax richardsonii 9346
Comber japonicus 13873
Comber japonicus: INW, Japan Sea 10987
Emotilus margarita: USA, Maryland, Hamilton Run 10561
Giganus canaliculatus 10604
Gpartina alterniflora: USA, Georgia, Savannah R. 4236
Gynodontis schall 10641
Ganyarsus aculeatus: Austria, Piburger See 10525
Thalassia testudinum 7398
Thaliacea: ASW, Bermuda 9523
Tinca tinca 9421
Tintinnida: AN 12060
Tintinnida: ANW, USA, New York Bight 5293
Trematoda: INE, USA, California 6531
Trionyx sinensis 13098
Vca virens: ASW, USA, Texas, Mustang Island 7199
Vanclea prolifera: INW, Japan 12809
Zapada: USA, Utah, Wasatch Mountains, Mill Creek 9318
Zoarces viviparus 6276
Zostera marina: ANW, USA, North Carolina, Beaufort 4760
 Algal blooms: *Stentor tartari* 478
 Condition factor: *Ophicephalus striatus* 378
 Enzymes: *Balanus* 236
 Fish catch statistics: *Pisces*: ASE, Nigeria, Lagos Lagoon 1665
 Metals: *Crassostrea virginica*: ANW, USA, Maryland 1981
 Parasites: *Cryptochironomus Mollusca*: British Isles, Worcester-Birmingham Canal 403
 Production (biological): *Copepoda*: ASE, Romana 1921
 Sampling (biological): *Hydromedusae*: ASE, Ligurian Sea 1659
 Stomach content: *Micropogon furnieri*: ASW, Brazil 383
Seaweed culture,
 1106, 2135, 2524
 China, Peoples Rep. 13746, 13747
 NE, USA, Washington 2136
 NW 13747
 NW, Japan 13521
 NW, Japan, Tohoku 7792
 Japan 13746, 13747
 Korea 13746
 Korea, Rep. 13747
 Taiwan 12337
 USA 2139
 World oceans 12385
Cladosiphon okamuranus 11194
Euclidean: ISEW, Philippines 3423
Euclidean: ISEW, Sulu Sea 12391
Euclidean: Philippines 13748
Euclidean nudum: ASW, USA, Florida 6841
Gigartina exasperata: INE, USA, Washington 2134
Gracilaria 12387
Gracilaria: Taiwan 12386
Hypnea musciformis 12387
Iridaea cordata: INE, USA, Washington 2134
Laminaria japonica: Japan 7837
Macrocystis pyrifera: INE, USA, California 11725
Porphyra: Japan 7837
Undaria pinnatifida: Japan 7837
Seaweed processing,
 ASE, Spain 13890
Cyanophyceae 11262
Seaweed products,
 2135, 12771
 ASE, Spain 13890
 ISW 6786
 Japan 1048
 World Ocean 3478
Chondria armata 8303
Furcellaria 12369
Laurencia caespitosa 12778
Laurencia pacifica: INE, USA, California, La Jolla 8126
Phyllophora 12369
Rhodophyceae 10327
Undaria pinnatifida 13872
 Antibiotics 3548
Seaweeds,
 ANE, British Isles 2526
 ASE, Black Sea 7542
 INW, Japan 11525
 ISEW, Malaysia 11526
 ISEW, Philippines 12733
 ISW 6786
Ceramium 12214
 Check lists: ASW, Brazil 1296
 Harvesting: ISE, Chile 801
 Harvesting: PSW, Chile 801
 Taxonomy: ASW, Brazil 1296
 Yield: ISE, Mexico, Baja California 795, 798
 Yield: ISE, Mexico, California 796
Secondary production,
 Africa, Rudolf L. 9760
 ISE, Peru 3116
Leptodora kindtii: Poland, Mikolajskie L. 6610
 Zooplankton: INW, Kuroshio 1840
Secretory products,
 World temperate regions 2461
Acipenseridae 13011
Aedes taeniorhynchus 5006
Amphipnous cuchia 6275
Aplysia californica 11635
Artemia salina 4862
Bagarius bagarius 6196
Betta splendens 11931
Cassidaria echinophora 7187
Chlorella 11517
Clarias batrachus 4017
Eptatretus burgeri 8333
Gadus morhua 4023
Gasterosteus aculeatus 10657
Heteropneustes fossilis 6270
Lanice conchilega 4857
Lithodomus lithophaga 4929

Lymnaea stagnalis 12867
Mytilus californianus 11610
Ochromonas danica 10346
Oncorhynchus gorbuscha 13059
Pachygrapsus marmoratus 10502
Palaemon paucidens 10475
Platambus maculatus 3984
Triturus viridescens 11851
Turbellaria 10389
Sediment analysis,
 2415, 3201, 3746, 3811, 4319, 4624, 5450, 5901, 5903,
 5915, 5923, 5924, 6973, 7039, 7966, 8013, 8024, 8051,
 8941, 8978, 8985, 11311, 11360, 11412, 11413, 12187,
 12576, 12697, 13431
 A, Mid-Atlantic Ridge 5907
 America, Erie L. 9069, 9070, 9071, 9802, 9856
 America, Michigan L. 6631, 7667
 AN 5476, 8025
 ANE 12135
 ANE, Bristol Channel 2435
 ANE, British Isles, Tay R. 8041
 ANE, France 4703
 ANE, France, Normandy 11036
 ANE, Germany, F.R., Cuxhaven 5908
 ANW 4587
 ANW, Canada, Nova Scotia, Canso Strait 8792
 ANW, St. Lawrence Gulf 5910, 12619
 ANW, USA, Long Island Sound 9054
 ANW, USA, Maine, Searsport 5473
 ANW, USA, Maryland, Chesapeake Bay 4280
 ANW, USA, Massachusetts 3740, 3795
 ANW, USA, New York 7665
 ANW, USA, North Carolina, Newport R. 9057
 ANW, USA, North Carolina, Pamlico R. 7041
 ASE, Aegean 9079
 ASE, France 7672
 ASE, France, Roussillon 4717
 ASE, Greece, Athens 4324
 ASE, Greece, Saronikos Gulf 3248
 ASE, Ivory Coast 2414
 ASE, Lyon Gulf 4675
 ASE, Marseilles Gulf 10159
 ASW 4587
 ASW, Bermuda 12699
 ASW, Mexico Gulf 9853
 ASW, USA, Georgia 8031
 Canada, Labrador, Melville L. 8017
 Canada, Manitoba, Agassiz L. 8019
 Denmark, Kvindso 7978
 Finland, Lojærvi L. 2413
 France, Pavin L. 11407
 Germany, F.R., Elbe Estuary, Faehrmannssand 8650
 Germany, F.R., Ginsheim Altrhein 5920
 Germany, Fed. Rep., Blunker L. 4641
 I, Pacific 8027
 INE, USA, California 5914
 INE, USA, California, San Pedro Bay 4322
 INW, Japan 4255
 INW, Korea Rep. 3803
 INW, Okhotsk Sea 7040
 INW, Pacific 8026

ISEW 7047
 ISEW, Philippine Sea 10212
 ISW, Bengal Bay 12658
 ISW, India 3806
 ISW, India, Cochin Backwater 9073
 ISW, India, Krishna R. delta 9074
 ISW, India, Saurashtra 9075
 ISW, Persian Gulf 4701, 6983
 ISW, Red Sea 8020, 12729
 Japan, Hiroshima, Ashida R. 9855
 MED, Adriatic 8015
 Mozambique, Inland waters 2431
 Netherlands, Tienhoven 13121
 New Zealand, Rotoiti L. 9078
 New Zealand, Rotoroa L. 9078
 Poland 11463
 PS, Ross Sea 11414
 PSE, Australia 5916
 PSE, Australia, Melbourne 11009
 PSE, Australia, Victoria, Port Phillip Bay 9857
 PSE, Macquarie I., Major L. 12696
 PSE, Tasman Sea 7038
 South Africa, Rietulei Reservoir 11104
 Uganda, George L. 4669, 7976, 7977
 USA, Alaska, Imuruk Lake 9080
 USA, Maine 2364
 USA, Michigan 4318
 USA, Michigan L. 8721
 USA, Minnesota 11411
 USA, Missouri, Flat Branch Creek 9082
 USA, New Hampshire, Inland waters 5865
 USA, New York, Chautanqua L. 13938
 USA, Washington, Washington L. 5912
 USA, Wisconsin, Fox R. 7711
 USA, Wisconsin, Wingra L. 8680
Bacillus: ANE, North Sea 5294
Bacteria: USA, Wisconsin, Mendota L. 3800
Clostridium botulinum type E: USSR, Caspian
 Sea 6894
Crassostrea virginica 6636
Diatomaceae: ANE, Baltic 9733
Escherichia coli 11909
Foraminifera: ISEW, Solomon Isl. 9068
Foraminifera: PSW, Weddell Sea 5917
Methanobacterium thermoautotrophicum 12695
Mollusca: INW, Korea Rep. 5911
Thalassia testudinum: ASW, USA, Florida 12280
Ulva pertusa 13477
 Chemical analysis: ASW, Brazil 1224
 Chemical composition: IN, Bering Sea 1223
 Chemical composition: INEW, Philippine Sea 1223
 Chemical composition: INW, Kamchatka Trench 1223
 Chemical composition: INW, Okhotsk Sea 1222, 1223
 Chemical composition: ISEW, East China Sea 1222
 Chemical composition: ISEW, Philippine Sea 1222
 Continental shelf: ANW, USA, North Carolina 1237
 Estuaries: British Isles, Wales 2002
 Geochemistry: ASE 1229
 Heavy metals: ANE, Bristol Channel 3258
 Hydroacoustics: ANW, USA, Massachusetts 1235
 Methodology 1132, 1133, 1134, 1135, 2420

- Nodules 1136
- Pigments: INW, Okhotsk Sea 1222
- Pigments: ISEW, East China Sea 1222
- Pigments: ISEW, Philippine Sea 1222
- Pollutants 3257
- Pollution surveys: ASE, Venice Lagoon 580
- 3205
- Rivers: British Isles, Wales 2002
- Sediment structure: ANW, USA, Massachusetts 1235
- Sediment-water interface: Germany, Fed.Rep.,
Baden-Wuerttemberg, Feldsee L. 96
- Selenium 1135
- Sulphur 1134
- Sediment collections,**
10143
- Diatomae*: Tethys Sea, central Paratethys 7927
- Sediment density,**
2433
- Sediment distribution,**
ANE, Hebrides Sea 3805
ANW, Labrador Sea 3766
INW, Korea Rep. 3803
USA, New York, Cayuga L. 8793
- Sediment sampling,**
2430, 3693, 3824, 5814, 7039, 7967, 8983
I, Pacific 11410
INE, USA, California 7674
USA, Iowa 12707
Dredging: INE, USA, Oregon 3336
- Sediment structure,**
2429, 2430, 4712, 4713, 4716, 7045, 8023, 8050, 8978
ANE, Norway, Eidfjord 4714
ANE, Spitzbergen 2424
ASE, Mediterranean 9064
ASW, Brazil, Ilha Grande 5137
ASW, Mexico Gulf 2428
ASW, USA, Georgia 8044
ASW, USA, Georgia, Ossabaw Sound 8644
ASW, USA, Georgia, Sapelo Isl., Duplin R. 8048
British Isles, Aberdeenshire, Ythan estuary 8040
I, Pacific 4672
INE, USA, California, San Francisco Bay 7048
ISW, Aqaba Gulf 10237
ISW, India 3806
PNW, Barents Sea 2425
PS, Ross Sea 2432
PSE, McMurdo Sound 2432
PSW, Chile, Concepcion Bay 5129
USA, Colorado, North St.Vrain Creek 8673
Bacillariophyceae 11462
Bryozoa: ASW, Brazil, Ilha Grande 5137
Lovenia elongata: ISW, Aqaba Gulf 11934
Mallotus villosus: ANE, Norway, Vardo 11728
Salvelinus fontinalis 13180
Thalassiosira: ANW, USA, South Carolina 7084
Tintinnida 8164
Lagoons: ANW, USA, North Carolina, Pamlico
Sound 1239
Oil removal 3327
Sound transmission 1155
- Sediment texture,**
4712, 8023
ANE, Germany, F.R., Cuxhaven 5908
ISEW, Philippine Sea 10212
- Sediment transport,**
8034, 8941, 8979
ANE, Bristol Channel, Severn Estuary 10209
ANE, British Isles, Swansea Bay 2434
ANE, Germany, Fed.Rep., Neuwerk/Scharhoerner
Watt 5891
ANE, Wadden Sea 8012, 8057
ANW, Chesapeake Bay 9031
ANW, USA, Massachusetts, Chatham Harbor
Estuary 9933
ANW, USA, Massachusetts, Coattue Beach 9929
ANW, USA, Mississippi Sound 9949
ANW, USA, New York 3790
ANW, USA, New York, Long Island Sound 11382
ANW, USA, North Carolina, Masonboro Inlet 9025
ANW, USA, Rhode Island 10210
ANW, USA, South Carolina 10202
ANW, USA, Virginia, Wachapreague Inlet 9027, 9931
ASE, Mediterranean, Lebanon 12700
ASW, Barbados 7035
ASW, Caribbean 12659
ASW, Carriacou I. 7035
ASW, USA, Florida 9026
ASW, USA, Florida, East Pass 9023
ASW, USA, South Carolina 3792
Canada, Ontario, Inland waters 2419
Germany, F.R., Weser R. 8003
INE, USA, Alaska 6594
INE, USA, Alaska, Anchorage, Harbour 12704
INE, USA, Washington 10230
Iran 2421
ISW 10229
ISW, Australia, Ord R. 9048
ISW, Bengal Bay 10182
PSE, New Zealand 7044
USA, California, Santa Ana R. 3793
USA, California, Santa Maria R. 3793
USA, Wisconsin, Fox R. 7711
World oceans 6670
Mollusca: ANE, British Isles, Liverpool Bay 11594
Coastal engineering 709
- Sediment transportation,**
ANW, USA, North Carolina 9935
- Sediment-water interface,**
95, 6662, 6921, 6922, 7678, 11340, 11342, 12697
ANE, Kiel Bight 10144, 10173
ANW, Chesapeake Bay 9056
ANW, USA, Long Island Sound 9054
ASE, Adriatic 2375
Canada, Ottawa R. 7664
Denmark, Esrom L. 6923
India, Sunderbans 13606
INE, USA, California, La Jolla 10999
ISE, Galapagos Is., Bahia Darwin 12611
Bacteria: USA, Michigan, Wintergreen L. 3833
Diatomae: PSW, Argentine Basin 7368
Gases 1168

Sedimentation,

95, 3346, 5468, 8022, 8034, 8037, 9102, 10143, 11315

Africa, Kainji L. 8990

America, Michigan L. 6661, 10190

AN, Mid-Atlantic Ridge 12698

ANE 5906

ANE, Baltic 5921, 9062

ANE, British Isles, Tay R. 8042, 8043, 9029

ANE, Denmark 9061

ANE, Irish Sea 8028

ANE, North Sea 10232

ANE, Reykjanes Ridge 10228

ANW 9067

ANW, Chesapeake Bay 9031, 9056

ANW, Fundy Bay, Cobequid Bay 9936

ANW, USA, Massachusetts, Chatham Harbor
Estuary 9933ANW, USA, Massachusetts, Merrimack
embayment 9060

ANW, USA, Mississippi Sound 9949

ANW, USA, New Jersey 8030

ANW, USA, Rhode Island 7042

Argentina, Rio Tercero Reservoir 5932

ASE, France 11417

ASE, France, Bages-Sigean 4725

ASE, France, Roussillon 4717

ASE, France, Villeneuve Bay 11418, 11420

ASE, Mediterranean 3804

ASW, Brazil 8032

ASW, Caribbean 12659

ASW, USA, Mississippi 11857

ASW, USA, Texas 9059

Belgium, Gelinden 8635

British Isles, Scotland 12708

Canada, Alberta, Upper Waterfowl Lake 8016

Canada, British Columbia, Lillooet L. 2417

Canada, Erie L. 9011

Canada, Ontario, Inland waters 2419

INE, USA, Alaska, Anchorage, Harbour 12704

Iran 2421

ISW, Australia, Ord R. 9048

ISW, Sri Lanka 8035

PN, Arctic 2418

Poland, Mikolajskie L. 6612

PSE, New Zealand 7918

PSE, Tasman Sea 7038

PSW, Southeast Pacific Basin 8029

USA, California, Santa Ana R. 3793

USA, California, Santa Maria R. 3793

USA, Illinois 4416

USA, Maryland, Patuxent Estuary 10220

World estuaries 9058

Chondrites: USA, Missouri 9072*Pisces* 9867Organic suspended matter: ANW, Canada, Nova
Scotia 1231

Topography: ASE, Corsica 1227

Sedimentology,

4713, 5895, 7031, 12703

Aldabra 5922

ANE, Belgium, Ostend 5913

ANE, British Isles 4801

Argentina, Rio Tercero Reservoir 5932

ASE, Morocco 4710

ASE, Senegal 8036

ASW, USA, Georgia 8049

ASW, USA, Georgia, Ossabaw Sound 8045

British Isles, Northern Ireland, Lough Neagh 4708

ISW, Mauritius 8648

World oceans 5919

Algae: Czechoslovakia, Slapy Reservoir 10910

Coastal erosion: ASW, Brazil, Fortaleza 3342

Coastal zone: ANW, USA, North Carolina, Pamlico
Sound 1238

Fjords: ANE, Norway 1240

Iron: Germany, Fed.Rep., Baden-Wuerttemberg, Ursee
L. 97

Isotopes: ASE, Mediterranean 1241

Sediment structure: ANW, USA, North Carolina, Pamlico
Sound 1238**Sediments,**

2466, 6922

ANE, North Sea 7661

ANE, Norwegian Depression 7661

ANW, Davis Strait 11404

ANW, Massachusetts Bay 12706

ANW, USA, North Carolina 10133

ASW, Caribbean 4700, 5900

ASW, Mexico Gulf 4700

INW, Korea 3255

ISEW, Ontong-Java Plateau 10238

Japan, Ichikawa R. 2467

Japan, Kakogawa R. 2467

Acinetobacter 9104*Cyanophyta*: ASE, France, Thau Basin 11466*Diatomae*: ISW, Israel, Bardawil Lagoon 7085*Euglena gracilis* 7710*Foraminifera*: ANW, Davis Strait 4683*Foraminifera*: ANW, Labrador Sea 4683*Foraminifera*: ASW, Mexico Gulf 9066*Lithothamnium* 6468*Macoma nasuta* 5258

Gases 1168

Gases: ASW, USA, Florida, Ceasar Creek 1225

Metals: ANW, USA, Maryland, Baltimore
Harbour 1966**Seed,**Collecting devices: *Pecten maximus*: ANE, France,
Brittany 915**Seed (aquaculture),**

India, Kulti R. 13604

ISW, India, Kulti Estuary 13604

Anabas testudineus 13692*Aristichthys nobilis* 13680*Chanos*: ISEW, Indonesia, Jepara 3069*Chanos chanos*: Indonesia 13614*Clarias batrachus* 13692*Fundulus heteroclitus* 11180*Heteropneustes fossilis* 13692*Hypophthalmichthys molitrix* 13680*Metapenaeus ensis*: French Polynesia 3419*Mugilidae*: ISW, India, Hooghly-Matlah Estuary 13696

- Pennaeidae*: ISEW, Indonesia, Jepara 3069
Pennaeidae: ISW, India, Hooghly-Matlah Estuary 13696
Pennaeus: French Polynesia 3419
Pisces 13666
Pisces: India 13691
Placopecten magellanicus 13715
Seiches,
 6976, 11384
 Africa, Tanganyika L. 3701
 ANE, Poland, Swina Straits 1201
 ASE, Italy, Trieste 5886
Seining,
Scombridae: ASW, Brazil 12324
Seismic activity,
 2423
 NE, USA, Oregon, Newport 10191
 SE, Galapagos 10226
 PSW, Albatross Cordillera 11409, 11415
Seismology,
 6978
Selenium,
 SW, India, Saurashtra 9075
Bacteria 10279, 11441
Brachydanio rerio 11078
Lysmata seticaudata 13175
Mytilus galloprovincialis 13175
Thynnus orientalis 11088
Zalophus californianus: INE, USA, California 9890
 2374
Self fertilization,
Balanus eburneus 6161
Self purification,
 2466, 2475, 2478, 3320, 5454, 6685, 7739, 12182, 12199,
 13708
 ASE, Black Sea 7573
 Japan, Ichikawa R. 2467
 Japan, Kakogawa R. 2467
 Poland, Inland waters 6569
 USSR, Ukraine 7573
 World waters 7734
Sense functions,
Apteronotus albifrons 10775
Phacops rana 12787
Sense organs,
Ctenophora 6078
Gadus morhua 9372
Loliguncula brevis 6101
Macrostomida 3880
Teleostei 8407
 Ultrastructure: *Raja clavata* 267
 Ultrastructure: *Torpedo nobiliana* 267
Sensors,
 9827
Serological studies,
Acipenser stellatus 5091
Alosa aestivalis 5055
Anas platyrhynchos 2863
Anguilla rostrata 5069
Anura 6381
Armadillidium nasutum 11705
Astacus astacus 10522, 10523
Astacus leptodactylus 7220, 11686
Atractosteus tristoechus 13015
Cardisoma carnifex 8287
Catostomus commersoni 5067
Chelonia mydas 10898
Clupea harengus: ANW 7507
Coryphaena hippurus 6305
Crassostrea virginica 10460, 10864, 11633
Crustacea 8283
Cyprinidae 10655
Cyprinus carpio 4018
Decapoda 4989
Eudorina elegans 12767
Flexibacter columnaris 13294
Homarus vulgaris 8070
Inia geoffrensis 2858
Labeo capensis 6284
Ligumia subrostrata 3938, 10457
Limulus polyphemus 2719
Morone saxatilis 8386
Morone saxatilis: USA, California, Sacramento R. 9417
Myxine glutinosa 2835
Opsanus tau 10654
Orconectes limosus 11705
Orithetrum chrysis 3983
Paraneophrops zealandicus 12922
Pisces 4163, 4732, 13054
Rana catesbeiana 13100
Rana pipiens: USA, Nebraska 10899
Rangia cuneata 4930
Salmo 5076
Salmo: USSR, Armenia, Sevan L. 5049
Salmo gairdneri 2833, 6282, 6328, 12366, 13045, 13294
Salmo salar: British Isles, Inland waters 6546
Saprolegnia 4162
Sardina pilchardus 4012
Sardinella longiceps 13029
Scylla serrata 8287
Suberites massa: ASE, France, Thau 4836
Tilapia grahami 4030
Tursiops truncatus 5283
 Electrophoresis: *Anura* 316
 Fatigue: *Carassius auratus* 2818
 Hormones: *Anguilla japonica* 287
 Hormones: *Rana cancrivora* 1594
 Measuring devices: *Salmo gairdneri* 2450
Serology,
Bufo vulgaris 8462
Crassostrea virginica 8230
Mya arenaria 8229
Seston,
 America, Erie L., Point Pelee 4188
 Argentina, Parana R. 6590
 AS 5347
 Algae 9114
Sewage,
 2280, 2382, 2383, 3162, 3235, 3239, 3241, 3247, 3250,
 3314, 3318, 3319, 3320, 3321, 3322, 3323, 6642, 8704,
 9915, 10705, 13627, 13651

ANE, British Isles, Swansea Bay 6730, 6731, 6736
 ANE, Finland, Helsinki 9900
 ANE, Germany D.R. 9898
 ANE, Germany, F.R., Kiel Bay 9897
 ANE, Irish Sea 13436
 ANE, North Sea 3173
 ANW, Chesapeake Bay 3222
 ASE, Italy, Venice Lagoon 9849
 ASE, Mediterranean 3174
 ASE, Sicily 11099
 ASW, USA, Florida, Biscayne Bay 5465
 Germany, F.R., Gain R. 4296
 Germany, F.R., Starnberger L. 4296
 INW, Japan 13496
 ISEW, Hong Kong 3171
 ISW, India, Bombay 11043
 USA, Coasts 3170
Aeromonas 9103
Algae 8663
Algae: ANW, USA, Maryland, Patuxent R. 7680
Bacteria 3312
Bacteria: ANW, USA, New York 5456
Escherichia coli 11038
Pelecypoda: ANW, USA, Philadelphia 12172
Teleostei: USA, Illinois 13638
 3269
 Pollution control 591
 Ponds 448
 Sediment analysis: INE, USA, California 568
 Ships: USA 715
 Slicks 591

Sewage effluents,

3234, 3251, 7726
 ANE, British Isles, East Lothian 12166
 ANE, British Isles, Fife 12166
 ANE, British Isles, Scotland, Tay Basin 13411
 ANW, USA, Delaware 8690
 ANW, USA, Hudson Estuary 9878
 ANW, USA, New York Bight 9878
 ASE, Greece 5349
 ASE, Greece, Athens 4324
 ISEW, Caroline Is. 13500, 13505
 ISEW, Guam, Toguan Bay 4404
 ISEW, Guam, Tuanmokot Channel 4405
 ISEW, Marshall Is. 13503, 13504
 ISEW, Palau Is. 13506
 ISEW, Truk Is., Moen 13501
 Poland, Masurian Lake District 6711
 USA, Missouri R. 12279
 USA, North Carolina 4377
Bacteria 12269
Bacteria: ASW, USA, Florida 13425
Crustacea: ANW, USA, New York 3301
Eichhornia crassipes 11953
Oncorhynchus kisutch 11086
Virus 6632
 Microbial contamination: *Salmonella*: Czechoslovakia,
 Danube R., Bratislava 1944
 Pollution surveys: USA, Tennessee 1959
 Water pollution 496

Sex determination,

Boeckella 9283
Calamoecia 9283
Crustacea 12903
Eudorina elegans 12767
Pisces 4009
Poecilia reticulata 9356
Rivulus cylindraceus 8363
 Hormones: *Salmo gairdneri* 276
 Sex ratio: *Salmo gairdneri* 276

Sex ratio,

Macruronus magellanicus: PSW, Argentina 13765

Sex ratios,

Anguilla: Poland, Marozka R. 13309
Antimora rostrata 6192
Athripsodes 5001
Barbus sarana: India, Kolleru L. 13320
Calamus bajonado: ASW, Campeche Bank 1817
Esox lucius: ANE, Finland, Oulujoki Estuary 13321
Labeo gonius 7290
Lacuna vincta: ANW, USA, Massachusetts 5296
Mallothus villosus: ANW, St. Lawrence Gulf 8845
Melanogrammus aeglefinus: PNW, Barents Sea 12018
Mellita zeylanica: India, Veli L. 6537
Merluccius merluccius: ASE, Tunisia 7487
Poecilia reticulata 12035
Thunnus albacares: A, Atlantic 12417
Thunnus albacares: ASE, Guinea Gulf 12026
Thunnus thynnus: ASE, Biscay Bay 13318
Trichoptera: Austria 10966

Sex reversal,

Amphibia 13089
Chelonia 13089
Lysmata seticaudata: ASE, France,
 Banyuls-sur-mer 4980
Neotanaïs 6152
Pocilia reticulata 9390
Poecilia reticulata 9392
Spongilla lacustris 7165
Tilapia mossambica 9391, 13631
 Hormones: *Poecilia reticulata* 2820
 Hormones: *Salmo gairdneri* 276

Sexual behaviour,

Belontiidae 7277

Sexual dimorphism,

Acetes chinensis: INW, Korea Rep., Central West
 Coast 2702
Anguilla anguilla 13618
Ephippodonto oedipus 11625
Heterocaprella claviger: INW, Korea Rep. 6140
Hyperolius viridiflavus: Africa, Kenya 8441
Lates niloticus: Ivory coast 280
Leptochela 11670
Opistognathus melachasma: ANW, USA, North
 Carolina 7252
Orconectes propinquus 8254
Paratigriopus hoshidei 12897
Percina palmaris: USA, Alabama, Tallapoosa R. 7251
Pisces: India, Kashmir 1530
Pseudeutropius atherenoides: India 263

Semotilus margarita: USA, Maryland, Hamilton

Run 10561

Thalassoma bifasciatum 11792

Zaus robustus 12897

Sexual maturity,

Anabas testudineus: India, Bihar 13681

Anguilla anguilla 12999

Anguilla australis: New Zealand 13619

Anguilla dieffenbachii: New Zealand 13619

Anguilla rostrata 11905

Asellus aquaticus 8273

Asterina pectinifera 7162

Balaenoptera: PS 13326

Barbus sarana: India, Kolleru L. 13320

Cardisoma guanhumi 10767

Catostomus commersoni: Canada, Quebec, Gamelin

L. 9396

Cirrhitina reba 12988

Coregonus 6253

Cryptobranchus alleganiensis: USA, Missouri, Niangua

R. 10809

Cyprinus carpio 5060, 7286, 10603

Gadus morhua: ANE, Baltic 11965

Gammaracanthus loricatus: ANW 11674

Gobius melanostomus 5050

Gobius melanostomus: ASE, Azov Sea 5050

Haliotis gigantea 10444

Lampetra fluviatilis 13040

Limanda yokohamae 11176

Littorina: PSW, Chile, Valparaiso 1409

Merluccius capensis: PSW, South West Africa 10887

Mugil: ASE, Tunisia, Tunis L. 7486

Opisthonema oglinum: ASW, Brazil, Ceara 3033

Osmerus eperlanus: USSR, Belozersk 9400

Osmerus eperlanus: USSR, Rybinsk 9400

Penaeidae: ISW, Persian Gulf 4976

Penaeus japonicus 6158, 13726

Pisces 7283, 10585

Pisodonophis cruentifer: ANW 10541

Poecilia reticulata 9356

Puntius sarana: India, Loni Reservoir 12987

Raja clavata: ASE, Adriatic 10878

Salmo gairdneri 5060, 11177, 13209

Salmo salar, 5059, 7294

Schizothorax richardsonii 9346

Scleropages formosus: Malaysia 6254

Scophthalmus maeoticus: ASE, Black Sea 5604

Sprattus sprattus: ASE, Spain, Galicia 12984

Squilla mantis 8279

Teleostei 5051

Thalassoma bifasciatum 11792

Thunnus albacares: ASE, Guinea Gulf 12026

Thunnus thynnus: A, Atlantic 13763

Breeding: *Chrysophrys major* 1536

Fish culture: *Scophthalmus maeoticus* 893

Fry: *Oncorhynchus kisutch* 878

Hormones: *Anguilla anguilla* 2099

Oogenesis: *Scophthalmus maeoticus* 893

Salinity effects: *Oncorhynchus kisutch* 878

Spermatogenesis: *Scophthalmus maeoticus*: ASE, Black Sea 892

Sexual reproduction,

Acipenseridae 7278

Anabas testudineus: India, Bihar 13681

Balaenoptera: PS 13326

Balaenoptera acutorostrata: PSE 11848

Catostomus: USA, Utah, Weber R. 10594

Cerastoderma glaucum: ASE, Tunisia 11629

Chlamydomonas eugametos: USA, Connecticut,

Willimantic R. 10322

Chlamys islandica: ANW, St. Lawrence Gulf 10030

Cirrhitina reba 12988

Crangon: INE, USA, Oregon, Yaquina Bay 9273

Crassostrea gigas: ANE, Germany F.R. 7831

Cubomedusae 5818

Cyprinidae 7278

Ethmalosa fimbriata: ASE, Gambia 11724

Gasterosteidae 7278

Gonium pectorale 12048

Gurleya chironomi 6051

Labeo bata: India, Kali R. 9388

Leptosynapta inhaerens 12813

Octopus dofleini 11630

Octopus tetricus 12854

Orconectes propinquus 8254

Penaeus japonicus 13722

Peridinium cinctum 1315

Peridinium willei 12759

Physeter catodon 13210

Potamothrix hammoniensis: Denmark, Esrom L. 8170

Raja naevus: ANE, Irish Sea 7288

Rana aurora: USA, Washington 9483

Rana hexadactyla 13093

Salmonidae 7278

Siphonaria variabilis 3838

Sparus auratus: ASE, Spain, Alfaques Bay 12939

Sprattus sprattus: ASE, Spain, Galicia 12984

Tanais stanfordi: Galapagos, Genevesa Island, Arcturus Lake 4988

Tilapia mossambica 7281

Shellfish,

Fisheries: ANE, France, Brittany 2052

Terminology: ASE, Mauritania 2237

Shellfish catch statistics,

ANE 7844

ANE, British Isles, Norfolk 6861

ANW, Canada, Quebec 8865

ASE, Balearic Isl. 13815

INW, Mexico Gulf 4531

ISW, India 4487

USA 3598

Chlamys islandica: ANW, St. Lawrence Gulf 10030

Decapoda: ASW 12462

Haliotis: ISE, Mexico, Baja California 11252

Jacquiniotis edwardsii: PSE, New Zealand 13808

Pandalus borealis: ANW, Canada, Quebec 8852

Panulirus: ASW, Brazil, Ceara 3457

Panulirus: ISE, Mexico, Baja California 11252

Penaeidae: ASE, South East Atlantic 11228

Penaeidae: ISEW, Indonesia 973

Penaeidae: ISW, Mascarene Is., Reunion I. 6852

Penaeidae: ISW, Mozambique 11228

Penaeus merguensis: ISEW, Carpentaria Gulf 13785
 Economics: ASW, USA, Texas 2230
 Fishing effort: *Panulirus*: ASW, Brazil, Ceara 2155
 Marketing aquatic products: USA 3597

Shellfish culture,

5582, 12340, 13584, 13708
 ANE, France, Brittany 926
 ANW, Canada, Iles-de-la-Madeleine 8838
 ANW, Delaware Bay 10018
 ASE, Spain 13743
 ASW, Mexico Gulf, Tamaulipas 7835
 French Polynesia 3419
 India, Narakkal 5774
 Indonesia 11169
 INW, Japan 13521
 INW, Japan, Tohoku 7792
 ISE, Baja California, San Quintin Bay 4652
 Philippines 13578, 13730
 Taiwan 12337
 USA 13607
 World tropical regions 5606
Aulacomya ater: PSW, Chile, Isletilla 3413
Crasostrea gigas: ASE, Tunisia 7834
Crassostrea 5613
Crassostrea angulata: ASE, Spain 13609
Crassostrea belcherii: ISEW, Sabah, Tawau 5609
Crassostrea belcherii: Sabah 13729
Crassostrea braziliana: Brazil 13729
Crassostrea gigas: Hong Kong 3562
Crassostrea gigas: ISEW, Hong Kong, Tung Chung Bay 13740
Crassostrea rhizophorae: Cuba 13727
Crassostrea tulipa: Sierra Leone 13729
Crassostrea virginica 13721
Crustacea 9993
Haliotis 13737
Haliotis: USA, California 12384
Homarus americanus 13716
Macrobrachium rosenbergii: Australia 3411
Macrobrachium 3410, 11189, 13709
Macrobrachium: Philippines 13717
Macrobrachium rosenbergii 13736
Macrobrachium rosenbergii: USA, South Carolina 13714
Mercenaria mercenaria 13721
Metapenaeus monoceros: Philippines 13731
Mollusca 9993
Mytilidae: ANE, France, Pertuis Breton 13706
Mytilidae: ANE, Netherlands 13706
Mytilidae: ASE, Italy, La Spezia 13706
Mytilidae: ASE, Spain 13707
Mytilidae: ASE, Spain, Galicia 12665, 13706
Mytilidae: ISEW, Philippines 13706
Mytilus edulis: ANE, British Isles, Menai Straits 13741
Mytilus edulis: ASE, Spain 13609, 13707
Mytilus smaragdinus: ISEW, Philippines 12338
Ostrea chilensis: PSW, Chile, Chiloe, Apiao I. 5610
Ostrea edulis 7827
Ostrea edulis: ASE, Spain 6837, 13609
Ostrea edulis: ASE, Spain, Galicia, Ribadeo Estuary 13742

Ostreidae 7833, 13276
Ostreidae: ANE, British Isles, England 11190
Ostreidae: ANE, British Isles, Wales 11190
Ostreidae: ANW, USA, Maine 12383
Ostreidae: PSE, Australia, New South Wales 7832
Pandalus platyceros: USA, California 12384
Patinopecten yessoensis: INW, Japan 3415
Pectenidae: INW, Japan 12382
Pelecypoda 12338
Pelecypoda: ISEW, Taiwan 11191
Penaeidae 13709, 13713, 13718
Penaeidae: Australia 4606
Penaeidae: India 3417
Penaeidae: ISW, India 3418
Penaeidae: USA 5607
Penaeus: Philippines 13731
Penaeus japonicus 13726
Penaeus japonicus: INW, Japan 13928
Penaeus japonicus: INW, Japan, Inland Sea 13928
Penaeus japonicus: Japan 13712
Penaeus kerathurus 13745
Penaeus vannamei: Ecuador 5608
Perna: ASE, Spain 13707
Phaeodactylum tricornutum 13220
Procamburus: USA, southern states 13585
Squilla nepa: ISEW, Indonesia 2700
Strombus gigas: ASW 10815
Venerupis decussata: ASE, Spain, Galicia, Ribadeo Estuary 13742
Venerupis pullastra: ASE, Spain 13743
 Artificial feeding: *Penaeus kerathurus*: France 7830
 Bacterial diseases: *Penaeus japonicus* 917
 Commercial availability: *Astacidae*: ASW, USA, Louisiana 4465
 Economics: *Astacidae*: ASW, USA, Louisiana 4465
 Fisheries: *Macrobrachium*: Mexico 2055
 Fungal diseases: *Penaeus japonicus* 917
 Introduced species: *Crassostrea gigas*: ANE, France 7828
 Marketing: *Astacidae*: ASW, USA, Louisiana 4465
 Methodology: Japan 920
 Resource development 922
 Resource development: *Mollusca* 919
 Resource development Genetics: *Ostrea* 921
 Seed (aquaculture): *Haliotis tuberculata* 7829
 Seed (aquaculture): *Ostrea edulis* 7829

Shellfish fisheries,

12336, 12556
 ANW, Canada 7975
 ASW 12462
 ASW, Caribbean 4436
 ASW, Mexico Gulf 4525, 5629
 ASW, USA 4438, 4447, 4448
 INE, Puget Sound 12328
 INW, Mexico Gulf 4531
 ISW, India 4487
 ISW, Malagasy Rep. 6785
 ISW, Mascarene Is., Reunion I. 6800
 PSE, Australia, Victoria 6905
 USA 4525
 USA coasts 4543

Callinectes sapidus: ANW, USA, Mississippi 7862
Cephalopoda: Asia 13871
Crustacea 12495
Haliotis: PSE, Australia, Victoria 6866
Illex illecebrosus: ANW 13774
Jacquiniotis edwardsii: PSE, New Zealand 13808
Menippe mercenaria: ASW, USA, Florida 10876
Mollusca: INE, Bering Sea 7857
Mya arenaria: ANW, Canada, Quebec 5571, 8839
Ostreidae: ANE, British Isles, England 11190
Ostreidae: ANE, British Isles, Wales 11190
Ostreidae: ASE, Portugal 12841
Palinuridae: ASE, Mauritania 11161
Pandalus borealis: AN, Greenland 5668
Pandalus borealis: ANE, Denmark 5668
Pandalus borealis: ANW, Canada, Quebec 8852
Pectinidae: Australia 5725
Penaeidae: ASW, Mexico Gulf 11271
Penaeidae: ASW, USA 4496
Penaeidae: Australia coasts 4606, 5565, 5632
Penaeidae: ISW, Mascarene Is., Reunion I. 6852
Penaeus: ISW, Australia 5650
Penaeus latisulcatus: ISW, Australia, South Australia 5564
Penaeus merguensis: ISEW, Carpentaria Gulf 13785
Portunidae: ISW, India, Goa 3379
Reptantia: INE, USA, Oregon 4449
Venerupis decussata 6854
Population studies: *Panulirus regius*: ASE, Africa 2157
Shellfish catch statistics: *Thenus orientalis*: ISW, Bay of Bengal 2167
Trade: *Penaeidae* 7896
Shells,
British Isles, Aberdeenshire, Ythan estuary 8040
Anodonta 4895
Centropyxis discoides 4809
Cerastoderma glaucum: ASE, Tunisia 11617
Chelonia 11845
Chelonia mydas 10675
Cirripedia 7189, 8068, 9315
Conidae 3929, 10438
Cypraea stolidia: ISEW, Guam 2609
Elminius modestus 7430
Gastropoda 9580, 9805
Gastropoda: World oceans 6607
Globorotalia crassula 8208
Hydromedusa: South America 11841
Littorina: ANW, British Isles 12149
Lymnaea stagnalis 4886
Macropipus puber 11687
Mercenaria mercenaria 6472
Mollusca 4897, 6436, 11963, 12847
Mollusca: ANE, British Isles, Liverpool Bay 11594
Mollusca: Europe 7175
Mollusca: Europe coasts 6082
Mytilus edulis 11596
Mytilus galloprovincialis 11624
Nautilus 8190
Nucella lapillus: ANE, British Isles, Devon 6095
Nucella lapillus: ANE, France 6096
Ovulidae: INW, Japan 10442

Pagurus 7589
Pagurus bernhardus 12150
Pectinidae 6469
Pelecypoda 6467
Phyllaplysia taylori 4925
Potamopyrgus jenkinsi 4896
Potomida 4895
Prosobranchia 4938
Prosobranchiata: ASE, France, Banyuls-sur-mer 4915
Pteropoda 12846
Rhamphidonta: INE, Canada, British Columbia, Vancouver I. 11608
Sepia pharaonis: ANE, Netherlands 4871
Skeneidae 8198
Skeneopsidae 8198
Tivela stultorum: ASE, Adriatic 6473
Trochidae 8198
Unio 4895
Unionidae 12868
Electron microscopy: *Ancylidae* 184
Growth rate: *Mytilus edulis* 2451
Measuring devices: *Mytilus edulis* 2451
Morphology: *Cavolinidae* 1407
Morphology (organisms): *Ancylidae* 189
Secretory products: *Spirorbis spirorbis* 178
Ship models,
8947
Shipbuilding,
7784, 8947, 9972, 9975, 13543
Cuba 12319
ISW, Seychelles 9971
Malawi, Malawi L. 6796
Malaysia, Penang 815
Nepal, Pokhara Valley 13542
Somalia, Dem.Rep. 844
Corrosion control 813
Manuals 2063
Shrimps,
Fish handling 3560
Fisheries: ISW, India, Ratnagiri 3380
Fishing vessels 839
Quality control 3560
Silicates,
7050
British Isles, Northern Ireland, Lough Neagh 4245
Bellerochea maleus: ASW, Mexico Gulf 9117
Silicon,
INE, USA, San Francisco Bay 9785
ISW, Arabian Sea 6998
PS, Antarctic Circumpolar Current 2349
PSW, Scotia Sea 2349
Asterionella formosa 10813
Cylindrotheca fusiformis 10340
Porifera 12615
Growth regulators: *Synura petersenii* 1715
Silver,
3185, 3189
Spisula solidissima 11063
Simulation,
3815, 5785, 9746, 12080, 12181, 13435

ANW, Narragansett Bay 9692
ANW, USA, North Carolina, Masonboro Inlet 9025
ISE, Hawaii, Kaneohe Bay 9693
Cladophora: ANE, Baltic 9739
Salmonidae 13864

Size,

Cardium 4892

Size distribution,

Anguilla 13572
Anguilla: Poland, Marozka R. 13309
Buccinum undatum: ANW, St. Lawrence Estuary 4472
Calamus bajonado: ASW, Campeche Bank 1817
Calanus minor: ASE, Athens Gulf 12020
Centropages typicus: ASE, Athens Gulf 12020
Cetacea 9463
Chelonia mydas: ISW 6349
Chlamys islandica: ANW, St. Lawrence Gulf 8842, 10030
Concholepas concholepas: PSW, Chile 13313
Esox lucius: Sweden, Marmen L. 9873
Eurycea neotenes: USA, Texas, Kerr County 10881
Foraminifera 11922
Gari californica: INE, USA, California 13142
Gastropoda: World oceans 6607
Haliotis ruber: PSE, Tasmania 11234
Jasus novae-hollandiae: PSE, Tasmania 1253
Katsuwonus pelamis 13315
Katsuwonus pelamis: ANE 12421
Katsuwonus pelamis: ASE 12421
Katsuwonus pelamis: ASE, Guinea Gulf 12028
Labeo 6535
Limnothrissa: Tanzania 13325
Littorina scutulata: INE, USA, California 5161
Luciolates: Tanzania, Tanganyika L. 13325
Macrobrachium dayanum 12908
Macrobrachium lamarrei 12908
Mallotus villosus: ANW, St. Lawrence Gulf 8845
Melanogrammus aeglefinus: PNW, Barents Sea 12016
Merluccius bilinearis: ANW, Scotian Shelf 12431
Merluccius capensis: PSW, South West Africa 10887
Merluccius merluccius: ASE, Tunisia 7487
Merluccius merluccius: PSW, Argentina 6846
Mesidotea entomon: ANE, Baltic 9538
Mollusca 5552, 7774
Morone saxatilis: ANW, USA, New Jersey 4167
Mugil: ASE, Tunisia, Tunis L. 7486
Mulinia lateralis: USA, North Carolina 5297
Oncorhynchus kisutch: INE, USA 3601
Pandalus platyceros: INE, USA, Washington 5666
Panulirus laeviscauda: ASW, Brazil, Ceara 2967
Paralithodes camtschatica: INW, USSR, Kamchatka 9199
Pisces 12031
Raja clavata: ASE, Adriatic 10878
Ruditapes decussatus: ASE, Mauritania 13316
Sagitta: ASE, Mediterranean 13350
Salmo trutta: Sweden 10811
Sardina pilchardus 11211
Scombridae: A, Atlantic 11218
Scombridae: ASE, Africa, west coast 12413
Scombridae: ASW, Puerto Rico 12025

Semele decisa: INE, USA, California 13142
Sparus auratus: ASE, Spain, Cadiz 12942
Squilla mantis 13330
Stolephorus: ISEW, Indonesia, Jakarta Bay 8562
Temora stylifera: ASE, Athens Gulf 12020
Thunnus: ASE, Africa, northwest coast 12022
Thunnus alalunga: A, Atlantic 13791, 13793, 13861
Thunnus alalunga: ANE 3452
Thunnus alalunga: ASE 13317
Thunnus alalunga: ASE, Spain 13787
Thunnus albacares: A, Atlantic 3469, 12021, 12417, 12419
Thunnus thynnus: ANW, Canada 13845
Thunnus thynnus: ASE, Biscay Bay 13318
Tilapia mossambica 11975
Trichiurus lepturus: INW, Japan, Kii Channel 10798
Fish catch statistics: *Thunnus albacares*: ASE, Senegal 2160
Growth: *Panulirus regius*: ASE, Africa 1702
Stomach contents: *Raja clavata*: ANE, Eire 10877
Size distribution
Oceanodromous migrations,
Anguilla: Poland, Sasaki Wielki L. 13310
Size-limit regulations,
Oncorhynchus kisutch: INE, USA 3601
Skeleton,
Amphibia 9486
Anguilla anguilla 10620
Anthozoa 10379
Arbacia lixula 12819
Arenicola marina 12785
Arthropoda 6166
Balaenoptera acutorostrata: PS, Antarctic Ocean 9468
Brachydanio rerio 1512
Cancer pagurus 4986
Carcinus maenas 8266
Casearia articulata 4833
Caudata 8433
Chrysophrys major 13287
Clarias batrachus 5046
Crustacea 6882
Decapoda 12887
Diastobranchius capensis 7271
Dictyocha speculum 7141
Dinoflagellata 12810
Esox 2767
Euphausia superba 13874
Fungia scutaria 11561
Gobio gobio 10568
Hexactinellida 12806
Lithostrotion 5899
Microgobius signatus 261
Nematogenys: Chile 5033
Paracentrotus lividus 2980
Penitella penita: INE, USA, Oregon 6470
Phacops rana 12787
Phoca: INW, Japan 9472
Pholidichthys leucotaenia: ISEW 11765
Pisces 5046, 8737
Pisces: Brazil, Parana Medio 7432
Porites lobata 6471
Pygidium: Chile 5032

- Rasborinae 2776
Salmo gairdneri 8365
Salmo salar: ANE, Baltic 9681
Salmo salar: PNW, White Sea 9681
Salmo trutta 4131
Scleractinia: ASW, Jamaica 9738
Spondyliosoma cantharus 11753, 12950
Teleostei 2781, 8356, 10581, 12945
Turbellaria 11566
Xiphias gladius 6210
Zalophus californianus 9454
Zaniolepis latipinnis: INE, USA, California, Monterey Bay 12952
Abnormalities: *Brama raja*: ASE, Sicily 273
Anatomy: *Merluccius gayi* 1495
Biometrics: *Oncorhynchus keta*: USSR 1529
Evolution: Cyprinidae 1525
Mineralogy: *Schizoporella floridana* 1306
Taxonomy: Cyprinidae 1525
Skin,
Amphibia: Australia 8480
Anguilla anguilla 13270
Arthropoda 5772
Barbus sophor 11822
Cetacea 3283
Chordata 13086
Clarias batrachus 8408
Copepoda 12001
Cyprinidae 10656
Cypriniformes 8413
Discoglossus pictus 8478
Lytechinus pictus 6046
Macropipus puber 11687
Malaclemys terrapin 13110
Merlangius merlangus 6214
Monachus schauinslandi 7332
Pelamis 10696
Photostylus 6215
Pleuronectes platessa 9999
Rana esculenta 9487
Rana nigromaculata 9464
Rana temporaria 13103
Salmo 6200
Salmo trutta 11806
Scomber scombrus 2184
Xenodermichthys 6215
Xenopus tropicalis 7331
Biochemistry: *Holothuriodea* 1387
Osmoregulation: *Channa striatus* 2810
Slicks,
4268, 4323, 11025
ANE, Baltic 4271
INW, Kuroshio Current 13433
Social behaviour,
Anthopleura elegantissima 13191
Blennius pholis 11936
Calliactis parasitica 10 778
Chrysophrys major 13247
Cichlasoma citrinellum 10623
Crocodylus niloticus: Africa, Inland waters 10663
Cyprinodontidae 8543
Eigenmannia virescens 13193
Etioplos maculatus 8552
Eumetopias jubata 5209
Gasterosteus aculeatus 8541
Gymnarchus niloticus: Chad, Chari R. 13026
Halichoeres semicinctus: INE, USA, California 7409
Haplochromis burtoni 10757
Lepomis macrochirus 13188
Macropodus opercularis 6456, 6457
Neopanope sayi 8542
Odobenus rosmarus: INE, USA, Alaska 11927
Oncorhynchus kisutch 12364
Pisces 9599, 13751
Pisces: ASW, Mexico Gulf 11942
Poecilia reticulata 10755
Pomacentridae: ISW, Red Sea 8537
Salmo gairdneri 11947, 12364
Scaridae: ASW, Puerto Rico 10782
Serranidae: ASW, Puerto Rico 10783
Stomphia coccinea 10419
Tigriopus 2959
Tropisternus 11930
Uca: ASW, USA, Texas 5183
Xiphophorus 5219
Sodium,
Amphibia 13112
Anabaena cylindrica 9608
Chelonia mydas 10695
Crustacea 8305
Eleocharis unigulmis 4136
Malaclemys terrapin 13110
Myxicola infundibulum 12837
Porcellio dilatatus 10519
Sodium chloride,
Argulus foliaceus 2721
Chelonia 8466
Solar radiation,
5936, 7060, 7063, 7064
ASE, Cape Verde 6993
ASE, Mediterranean 6993
USA, Ohio, Columbus 7065
Bacteria 2476
Clupea pilchardus: ASE, Adriatic 6870
Air-water interface 1210
Sonar,
3689, 5817, 5832, 8939, 8940, 8953, 8964, 9985, 9989, 9990, 9991
A, Mid-Atlantic Ridge 11408
Acoustic equipment 2311
Mapping: ISE, East Pacific 99 2316
Sonic tags,
9555
ANE, British Isles, Suffolk 12561
Anguilla anguilla 13157
Gadus morhua: PNW, Barents Sea 11303
Micropterus salmoides 10739
Phocoena phocoena: ANW, Fundy Bay 5169
Pisces: Sweden 12254

Sound production (biological),

- Delphinopterus leucas* 7341
Panulirus longipes 10761
Physeter catodon 6383
Pisces 11722
Tilapia mossambica 5028
Tropisternus 11930
 Lipids: *Cetacea* 1590

Sound transmission,

- 3687, 3688, 5820, 5821, 5822, 5835, 5850, 5851, 8963
 ANW, USA, Massachusetts 1154
 World Ocean 54
 Turbulence 1153

Spawning,

- Acipenser*: USA, California, Sacramento R. 7859
Acipenser gueldenstaedti 13010
Archoplites interruptus: USA, California, Greenhaven L. 7231
Barbus barbus 11935
Barbus sarana: India, Kolleru L. 13320
Carassius auratus 11938
Cerastoderma glaucum: ASE, Tunisia 11629
Cerithium moniliferum: ISEW, Great Barrier Reef 11628
Chanda ranga 5619
Clarias batrachus 8396
Cottus nozawae: Japan, Hokkaido, Inland Waters 9354
Crenimugil crenilabis: ISEW, Marshall Is., Eniwetok 11791
Cyprinus carpio 10603
Diadema antillarum: ASW, USA, Florida 11573
Echinaster modestus 8184
Engraulis ringens: ISE, Peru 11784
Gobiosoma robustum 2806
Haliotis gigantea 10444
Heteropneustes fossilis 13043
Hoplosternum thoracatum 5618
Lamprologus brichardi 13186
Mallotus villosus: ANE, Norway 11897
Mitra idae: INE, USA, California 6105
Mytilus viridis 8217
Nephtys hombergii 12815
Oncorhynchus keta 9414
Oncorhynchus gorbuscha 9425
Paralichthys olivaceus 10538
Penaeidae: ISW, Persian Gulf 4976
Penaeus japonicus 6158, 13726
Perna viridis: ISW, Pakistan 12855
Pisces: PSW, South Africa Rep. 9394
Pleuronectes platessa: ANE, English Channel 9559
Polyplacophora: INE, USA, California, Pacific Grove 8218
Rana temporaria 8438
Salmo salar: USA, New England 7395
Salmonoidea 10575
Sardina pilchardus: ASE, Trieste Gulf 2808
Sciaenidae: ISW, Pakistan 13766
Scomber japonicus: INE, Pacific 10060
Siganus oramin 10001
Sphaerichthys osphromenoides 5617
Sprattus sprattus: ASE, Spain, Galicia 12984

- Squalius cephalus*: British Isles, Dorset, Stour R. 7426
Stizostedion vitreum: USA, Minnesota, Osakis L. 12989
Styela plicata 8444
Tachysurus caelatus 4015
Teleostei 5051
Teleostei: World oceans 11774
Tinca tinca 5057
Venerupis japonica: INE, USA, Washington 4926
 Embryology: *Synechogobius hasta* 1538
 Reproduction: *Pisaster ochraceus* 1373

Spawning grounds,

- Clupea harengus*: INE, Canada, British Columbia 6845
Ctenopharyngodon idella: USSR, Inland waters 6264
Harengula pensacola: ASW, Brazil, Ilha Grande 5053
Mallotus villosus: ANE, Norway 11897, 13865
Mallotus villosus: ANE, Norway, Vardo 11728
Merluccius: PSW, Southern Africa coast 11247
Oncorhynchus tshawytscha: USA, Idaho 13334
Sardinella brasiliensis: ASW, Brazil 8361
Thunnidae: ISEW, Taiwan 10707
Thunnus thynnus: A, Atlantic 13762
Todarodes pacificus: INW, Okhotsk Sea 7363
 Ground water: *Oncorhynchus*: USSR, Inland waters 277
 Spawning seasons: *Scombridae*: ASW, Mexico Gulf 254

Spawning grounds Spawning seasons,

- Thunnus albacares*: ASE 12027

Spawning migrations,

- Ancylus fluviatilis*: Germany, Fed. Rep., Baden-Wuerttemberg, Black Forest 381
Centropomus poeyi 8324
Clupea harengus: ANE, Kiel Bight 5167
Gadidae: ANE, Norway, Lofoten 11901
Lampetra fluviatilis 13038
Lampetra fluviatilis: Sweden, Ricklea R. 2942
Mallotus villosus: PNW, Barents Sea 11730
Oncorhynchus nerka 9566
Osmerus mordax: USA, New York, George L. 7391
Penaeus plebejus: ISEW, Australia, Queensland 7855
Penaeus plebejus: PSE, Australia, New South Wales 7855
Pleuronectes platessa: ANE, English Channel 9559
Pollachius virens: ANE, Norway 11900
Thunnus thynnus: ASE 2931

Spawning seasons,

- Anguilla*: ANW 3442
Calamus brachysomus: ISE, Peru 9671
Concholepas concholepas: PSW, Chile 13313
 Crangon: INE, USA, Oregon, Yaquina Bay 9273
Hamulon plumieri: ASW, Cuba, Bank of Campeche 13360
Mallotus villosus: ANW, Gand Banks 13773
Merluccius: PSW, South West Africa 11246
Merluccius: PSW, Southern Africa coast 11247
Mytilus edulis: ANE, British Isles, Northern Ireland 7186
Opisthonema oglinum: ASW, Brazil, Ceara 3033
Sardinella aurita: ASW, Cuba, Bank of Campeche 13360
Sardinella brasiliensis: ASW, Brazil 8359
Scombridae: ASW, Cuba, Bank of Campeche 13360

ganus canaliculatus 10604
maridae: ASW, Cuba, Bank of Campeche 13360
trachurus trachurus: PSW, South West Africa 10885
Speciation,
Anchoa 4024
atrachia 10682
ardium 3928
helonia mydas 10898
ichlasoma: Mexico, Cuatro Cienegas Basin 3054
ichlidae: Mexico, Coahuila, Cuatro Cienegas 8623
ichlidae: USA, Texas, Rio Grande 8623
rustacea 8283
yppraea: ISE, Hawaii 2613
yppraeidae: World zoogeographic regions 10712
ypprinidae 10903
ipiplodon delodontus: South America, La Plata River 5317
iscoglossus sardus 5106
mydidae 6547
loborotalia crassula 8208
obiosoma: ASW, Venezuela 5310
esperoleucus symmetricus 7504
atirus: ASW, Barbados 4899
avinia exilicauda 7504
ugilidae 10593
strea 11648
strea lurida: INE, USA 9241
strea lurida: ISE, USA 9241
streidae 9241
enaeus aztecus 6542
enaeus setiferus 6542
iscus: Africa, Zaire R. 9337
iscus: ISE, Easter I. 6540
iscus: ISE, Hawaii 6540
iscus: PSE, Lord Howe I. 6540
ethodon cinereus 10902
ethodon serratus 10902
orifera: ASW, West Indies 3897
seudophryne corroboree: Australia, New South Wales 9467
rana brevipoda 10679
rana limnocharis 3047
rana nigromaculata 10679
rana pipiens 7501
rana pipiens: USA, Nebraska 10899
tierrathrisa leonensis: Nigeria, Kainji L. 9361
theragra chalcogramma: INW, Japan 3052
hunnus 12047
riptyrgion: ASE, Mediterranean 9384
allopatric populations: Brachiopoda 1831
enzymes: Dentex tumifrons 3051
Morphology (organisms): Pseudosciaena: ISEW, East China Sea 1827
taxonomy: Navicula 1299
taxonomy: Riellaceae 1304
Spectroscopic techniques,
 3187, 3188, 3189, 3190, 3221, 4284, 4624, 5451, 5840, 6973, 7639, 9702, 11305, 11307
 Australia, Melbourne 7952
 SE, Australia, Victoria, Port Phillip Bay 7952
actabularia mediterranea 8113

Algae 10329
Halobacterium halobium 9111
Invertebrata 10413
Placopecten magellanicus 8235
Ptychodera flava 6073
Trematomus borchgrevinski 7313
Chlorophylls 2368
Phytoplankton 2452, 7629

Sperm,

Arbacia punctulata 9222
Aristichthys nobilis 13680
Bankia australis 6104
Biomphalaria glabrata 8211
Bombina variegata 6355
Cucumaria miniata 8151
Euthyneura 4922
Fundulus heteroclitus 11180
Hydrolimax grisea 4845
Hypophthalmichthys molitrix 13680
Invertebrata 10408
Ligumia subrostrata 2627
Limnodrilus hoffmeisteri 8163
Mytilus edulis 10446
Octopus dofleini 12873
Pulmonata 4922
Stela plicata 10391
Strongylocentrotus purpuratus 11577
Triturus vulgaris 10670
Urechis caupo 6052

Spermatogenesis,

Carcinus maenas 6165
Gambusia affinis 6245
Heteropneustes fossilis 8364
Littorina sitkana 12861
Nereidae 9224
Nereis diversicolor 8177
Oryzias latipes 11777, 11780
Pisces 7283
Pleurodeles waltlii 10678
Pomacentrus leucostictus 10555
Rana esculenta: Italy, Naples 11844
Salmo gairdneri 12981
Styela plicata 10390
Xenopus laevis 2862, 9462
 Electron microscopy: *Arenicola brasiliensis* 1371
 Ultrastructure: *Cutleria adspersa*: ASE, Mediterranean 132

SpermStorage,

Salmo 13653

Spleen,

Amyda sinensis 9465
Chelydra serpentina 11836, 11837
Scyllorhinus canicula 5071
Squalus acanthias 5064

Sponges,

INW, Japan 4255
Allomyces arbuscula 12731

Spores,

Acrosymphyton purpuriferum 2488
Aiptasia tagetes 4762

Algae 7114*Anabaena cylindrica* 8121*Aphanomyces astaci* 5286*Bacillus subtilis* 3842*Blastocladiella emersonii* 10276*Bonnemaisionia asparagoides* 2488*Bulbochaete hiloensis* 5987*Culiseta morsitans*: USA, New Brunswick, Tantramar Marshes 8588*Cylindrocapsa geminella* 8109*Didinium nasutum* 9236*Dinophyceae*: INW, Japan, Fukuyama 9533*Ectocarpus siliculosus* 5985*Fritschella tuberosa* 7109*Gracilaria corticata* 4781*Harveyella mirabilis* 10311*Hennequya* 4828*Iradaea cordata* 7095*Kallymenia* 4780*Libinia dubia* 6035*Microthamnion kuetszingianum* 9597*Navicula ostrearia* 2518*Porphyrodiscus similans* 11524*Pylaiella littoralis* 11502*Saprolegnia anisospora* 4749**Sport fishing,**

ANW, USA, North Carolina 11230

ANW, USA, South Carolina 11230

Germany, Fed.Rep., Hessen, Eder L. 12309

INE, USA, California 7847

USA 2261, 4509, 4510, 4544, 4548, 4549, 4550

USA, Iowa, Iowa R. 10061

USA, Nebraska, Interstate 80 Highway Lakes 12464

USA, Wisconsin 4512

USA, Wisconsin, Escanaba L.; 4508

Hippoglossus stenolepis: INE 3483*Istiophorus platypterus*: ASW, USA, Florida 11159*Perca flavescens*: USA, Idaho, Salmon Falls Creek

Reservoir 13701

Pisces 2180*Salmo gairdneri*: USA, Idaho, Salmon Falls Creek

Reservoir 13701

Salmonidae 13866*Salmonidae*: USA, Idaho 13700*Salmonidae*: USA, Idaho, Selway R. 13856*Salmonidae*: USA, Idaho, Silver Creek 13867*Selachii*: ASW, USA, Texas 10093*Stizostedion*: USA, Wisconsin, Mississippi R. 4511*Stizostedion vitreum*: USA, Idaho, Salmon Falls Creek

Reservoir 13701

Sport fishing statistics,

USA, Idaho, Pend Oreille L. 13868

Salmo gairdneri: USA, West Virginia, Spruce Knob

Lake 12463

Salvelinus fontinalis: USA, West Virginia, Otter

Creek 2181

Springs,

Germany, F.R., Hessen, Schlitz 7578, 7579

Germany, F.R., Nordrhein-Westfalen 9169

USA, Texas 3816

Invertebrata: France, Opoul 10358**Staining,***Anthopleura xanthogrammica* 13127*Bacteria* 2453*Mytilus edulis* 10446*Parafavella denticulata* 9172*Pisces* 6338, 11433*Tubifex hattai* 11583**Standardization,**

4385, 11328, 11329, 11330, 11862, 13558

Europe, EEC 4571

USA, Illinois 8702

Betta splendens 9590Fishing effort: *Clupea harengus*: ANE, Finland

Gulf 984

Freezing 3530

Standing crop,*Zostera marina*: INE, USA, California, Agua

Hedionda 10747

Starvation,

12036

Acartia clausi 13356*Anguilla anguilla* 6504*Bacteria* 8087*Calanus finmarchicus* 13356*Clarias batrachus* 13876*Coris julis* 13672*Cyprinus carpio* 5253*Daphnia magna* 10509*Daphnia pulex* 4138*Dictyostelium discoideum* 7168*Escherichia coli* 4741*Esox lucius* 6492*Euglena gracilis* 11528*Helisoma trivolvis* 13253*Lymnaea stagnalis* 7192, 7193*Oncorhynchus kisutch* 6832*Ophiocephalus striatus* 8572*Paratelphusa hydrodromus* 8291, 8292*Poycelis tenuis* 13250*Sagitta elegans* 13356*Salmo gairdneri* 7327, 10569, 11177*Scenedesmus obliquus* 13224*Tetrahymena pyriformis* 8579Metabolism: *Lymnaea stagnalis* 1742**Statistical analysis,**

2236, 5762, 7625, 10097, 12096, 13805, 13939, 13941

France, Jura Mts., Valserine Basin 8056

USA, West Virginia, Inland waters 11321

Artica islandica: ANW, USA 12506*Cyprinus carpio* 10795*Gastropoda* 9805*Hydrophiidae* 10666*Leuciscus idus* 12188*Macoma nasuta* 13235*Melanogrammus aeglefinus*: ANE, North Sea 12449*Mollusca* 10265*Pelecypoda*: ANW, USA, Philadelphia 12172*Raja clavata*: ASE, Adriatic 10878*Sphaeriidae*: USSR 10427*Squilla mantis* 13330

- Air temperature: AN 90
 Atmospheric pressure: AN 90
 Water temperature: AN 90
- Statistics,**
 Fishing gear 2073, 2074
- Statocysts,**
Pectinatella gelatinosa 6056
Scylla serrata 12920, 12921
 Ultrastructure: *Praunus flexuosus* 2710
- Sterility,**
Sagitta 7472
- Stimuli,**
Acanthaster planci 10779
Ambystoma tigrinum 8479
Balanus trigonus 13200
Betta splendens 5206, 10758
Calliactis conchicola 7601
Calliactis parasitica 10415
Carassius auratus 10754, 10756, 10759
Clarias batrachus 13061
Cryptochiton stelleri 8237
Cyprinus carpio 8415
Dictyostelium discoideum 7168
Etheostoma: USA, Oklahoma 10835
Fasciola hepatica 7480
Haplochromis burtoni 10757
Homo sapiens 10661
Katsuwonus pelamis 9444
Leptoxynapta inhaerens 12813
Limulus 10497
Macropodus opercularis 6457
Negaprion brevirostris 7408
Pagurus ochotensis 10771
Palinurus vulgaris 10774, 11569
Panulirus vulgaris 10516
Pleurobranchaea 10826
Rana esculenta 8473
Schistosoma mansoni 12012
Turbellaria 7407
Tursiops truncatus 10661
- Stinging organs,**
Aiptasia pallida 8797
Chironex fleckeri 6769
Chitopsalmus quadrumanus 2552
Cnidaria 4806, 10374
Condylactis gigantea: ASW, Bahama Is., Bimini 10990
Favia 10378
Favites abducens 10378
Goniopora pectinata 10378
Hydra attenuata 10414
Hydrozoa: INW, Japan, Hokkaido 12799
Ictaluridae: ASW, Mexico Gulf 5537
- Stock assessment,**
 5626, 10087, 13760
 Africa, Inland waters 10053
 Africa, Rudolf L. 10029
 ASW, USA 4494
 ISW, India, Orissa 6880
 PNW, Barents Sea 6876
 PSW, Southern African Coast 11239
- Acipenser*: USA, California, Sacramento R. 7859
Algae 9705
Anguilla: British Isles 13827
Anguilla anguilla: Eire 13826
Anguilla anguilla: Europe 12553
Arctocephalus gazella: PS 13846
Argyrosomus nibe: ISEW, East China Sea 10050
Balaenoptera acutorostrata: PS 13832
Balaenoptera borealis: PS 13831
Balaenoptera brydei: World Oceans 13833
Balaenoptera edeni: World Oceans 13833
Balaenoptera physalus: A, Southern Hemisphere Oceans 13830
Balaenopteridae: AN 13834
Callorhinus ursinus: IN 13842
Cetacea 13064, 13065
Cetacea: World Oceans 5664
Cetacea: World oceans 10056
Chlamys islandica: ANW, Canada, Iles-de-la-Madeleine 8844
Clupea harengus: ANE, Georges-Bank 6874
Clupea harengus: ANE, North Sea 6875
Crustacea: ASW 12410
Crustacea: ISW, Yemen, Arab Rep. 6949
Decapoda: ANE, British Isles, Norfolk 6861
Decapoda: ASW 12462
Delphinus delphis: ASE, Black Sea 13844
Delphinus delphis: INE 13758
Dugong dugong: ISW 13839
Engraulis anchoita: PSW, Argentina 6789
Engraulis mordax: INE, USA, California 10059
Enhydra lutris: IN 13073
Euphausia superba: PSW 10036
Gadidae: ANE, Faroe Is. 3467
Gadidae: ANE, North Sea 3468
Gadus merlangus: ANE, British Isles 8855
Gadus morhua 2175
Gadus morhua: ANE, Baltic 12400
Gadus morhua: ANE, Gotland-Becken 6804
Gadus morhua: ANW, St. Lawrence Gulf 8854
Gadus poutassou: ANE, Irish Sea 8856
Homarus americanus: ANW, USA, Maine 11254
Illex illecebrosus: ANW, USA 10044
Jacquiniotia edwardsii: PSE, Pukaki Rise 13808
Katsuwonus pelamis: ASE 12440
Katsuwonus pelamis: ASW, Cuba 13862
Lethrinus croceus: ISW 6534
Macruronus magellanicus: PSW, Argentina 13765
Mallotus villosus: AN 2166
Mallotus villosus: PNW, Barents Sea 11731
Merlangius merlangus: ANE, North Sea 13854
Merluccius: ISE, California Gulf 7841
Merluccius: PSW, South West Africa 11241
Merluccius capensis: PSW, South Africa 11245
Merluccius capensis: PSW, South West Africa 11243, 11244, 13850
Merluccius capensis: PSW, Southern African Coasts 11242
Merluccius merluccius: ASE, Spain 6871
Merluccius merluccius: PSW, Argentina 6789
Merluccius paradoxus: PSW, South West Africa 11244,

- 13850
Merluccius paradoxus: PSW, Southern African Coasts 11242
Micromesistius poutassou: ANE, British Isles 6872
Monachus monachus: ASE 13072, 13072
Mullidae: ASW, Jamaica 12446
Mya arenaria: ANW, Canada, Quebec 8839, 8840
Mya arenaria: ANW, USA, Maryland 5534
Nephrops: ANE 10051
Nephrops: ANE, British Isles, Firth of Forth 10052
Nototodarus sloani: PSE, New Zealand 13852
Oligocottus maculosus: INE, USA, California, Trinidad Bay 7491
Oncorhynchus: INE, USA, Alaska 964
Oncorhynchus gorbusha: INW, USSR, Primor'e 1000
Ostrea edulis: ASE, France, Lyon Gulf 12405
Pagophilus groenlandicus: AN 13069
Pagophilus groenlandicus: ANW 13841
Pagophilus groenlandicus: PN 13069
Palinurus: ANW, Canada, Newfoundland 5665
Panulirus longipes: ISW, Australia 7854
Paralichthys dentatus: ANW 12454
Penaeus: ASW, USA, Louisiana 4495
Penaeus plebejus: ISEW, Australia, Queensland 7855
Penaeus plebejus: PSE, Australia, New South Wales 7855
Phoca vitulina: ANW 13074
Phocoena phocoena: ASE, Black Sea 13844
Phocoena spinipinnis: ISE, Chile 13837
Phocoena spinipinnis: ISE, Peru 13837
Phocoena spinipinnis: PSW, Chile 13837
Physeter catodon: World Oceans 13829
Pinnipedia 13066
Pinnipedia: ANE, British Isles 13070
Pisces: ANE 2271
Pisces: ANE, Finland 10057
Pisces: ANW, St. Lawrence Gulf 8846
Pisces: ASE, Adriatic 11204
Pisces: ASE, Algeria 7849
Pisces: ASE, Balearic Is. 12580
Pisces: ASE, Italy 11204
Pisces: ASW 12410
Pisces: Ghana, Volta L. 12435
Pisces: INE, USA, California 7847
Pisces: ISW, Yemen, Arab Rep. 6949
Pisces: PSW, Argentina 6846
Platanista gangetica: Bangladesh 13836
Platanista gangetica: India 13836
Platanista gangetica: Nepal 13836
Pleuroncodes planipes: ISE, California Gulf 7841
Pleuronectidae: ANW, St. Lawrence Gulf 8854
Pleuronectoidea: ANE, North Sea 6877
Salmo salar: ANE, Baltic 10058
Salmonidae: IN, Bering Sea 10049
Sarda sarda: PSW, Argentina 6789
Sardinops ocellata: ASE, Atlantic 13853
Sciaenidae: ISW, Pakistan 7235
Scomber japonicus: INE, Pacific 10060
Scombridae: World Oceans 11238
Scorpaenidae: ANE, Faroe Is. 3467
Sirenia 13065
Sirenia: Australia, Inland waters 8610
Sprattus sprattus: ANE, Norway 12402
Stenella attenuata: ISE 13840
Stenella coerulescens: INW, Japan 13838
Stenella longirostris: ISE 13840
Stizostedion vitreum: USA, Wisconsin, Escanaba L.; 4508
Theragra chalcogramma: INW, Japan Sea 7863
Thunnus alalunga 3471
Thunnus alalunga: A, Atlantic 12441, 12442
Thunnus alalunga: AN 3472, 3473
Thunnus albacares: A, Atlantic 12438
Thunnus atlanticus: ASW, Cuba 13862
Thunnus thynnus: A, Atlantic 3474
Thunnus thynnus: ANW, Canada 13845
Thunnus thynnus: ASE, Mediterranean 12976
Triacnidae: ISEW, Palau Is., Helen Reef 12448
Tursiops truncatus: ASE, Black Sea 13844
Zalophus californianus 13843
Demersal fisheries: ISW, India, Kakinada 3432
7790
Fishing mortality: *Clupea harengus*: ANE, Eire, Donegal 1026
Ichthyoplankton: *Sardinops caerulea*: ISE, California Gulf 1033
Lake fisheries: Africa, Tanganyika L. 1004
Methodology: *Pisces* 1021
Methodology: *Pisces*: Poland 1017
Methodology: *Pisces*: USA, Columbia R. 952
Pelagic fisheries: Africa, Tanganyika L. 1005
Research programmes: *Thunnidae* 879
Tagging: *Salmo trutta*: British Isles, Kinross, Leven L. 1013
- Stock assessment Fisheries statistics Conferences,**
Pisces: ASE, Mediterranean 11237
- Stock identification,**
9985, 9988
Balaenopteridae: AN 13834
Clupea harengus: ANE, British Isles, Scotland 5290
Clupea harengus: ANW 7507
Delphinus delphis: INE 13758
Eschrichtius robustus: IN 13835
Eschrichtius robustus: ISE, Mexico 13835
Reinhardtius hippoglossoides: ANW 12042
Thunnus alalunga 12396
Thunnus thynnus: AS 13764
- Stocking,**
13660
Acipenser 13665
Anguilla 13824
Anguilla: Europe, Constance L. 13776
Anguilla: Germany, Fed. Rep. 13783
Anguilla: Poland 13822
Pisces: USSR, Inland waters 7793
Plecoglossus altivelis: Japan 13648
Salmo salar: Canada, Newfoundland 13640
Salmo salar: USA, Connecticut, Connecticut R. 7821
Salmo salar: USA, New England 7801, 7802
Salmonidae 13665

- Pest control: *Ctenopharyngodon idella* 2035
 Resource management: *Pisces*: America, Great Lakes 886
- Stocking density,**
Achenoglanis occidentalis: Ivory Coast, Bouake 10013
Anguilla: Poland 13822
Salmo gairdneri 12372
Salmonidae 13675
Scophthalmus maximus 13641
Tilapia aurea 13647
Tilapia nilotica: Ivory Coast 10014
- Stomach,**
Dasyatis pastinaca 6337
- Stomach content,**
Oncorhynchus tshawytscha: USA, Oregon, Columbia R. 13265
Pleuronectes platessa: ANE, Wadden Sea 9615
Trachurus trachurus: PSW, South West Africa 10885
- Seasonal variations: *Macrodon ancylodon*: ASW, Brazil 383
- Stomach contents,**
Acanthopagrus schlegeli: Japan, Seto Sea 5269
Alepisaurus ferax: INW, Japan, Suruga Bay 13248
Alosa pseudoharengus: USA, Indiana, Michigan L. 4151
Balaenoptera borealis 9639
Calliostoma 5268
Centrarchidae: USA, South Carolina 8750
Embiotoca lateralis: INE, USA, California, Santa Barbara 10832
Embiotoca lateralis: INE, USA, Santa Cruz I. 10832
Epicymba buccata: USA, Indiana, Vigo County 9624
Eumetopias jubatus: INW, Kuril Is. 9629
Eumetopias stelleri: INW, Kuril Is. 1734
Gadus morhua: ANE, Gotland-Becken 6804
Galeorhinus galeus: ASE 1747
Hyperche medusarum: INE, Canada, British Columbia, Departure Bay 11971
Ictalurus melas: USA, South Dakota, Poinsett L. 10844
Ictalurus punctatus 8564
Macruronus magellanicus: PSW, Argentina 13765
Mopalía lignosa: INE, USA, California, Monterey Peninsula 8581
Mustelus mustelus: ASE 1747
Myliobatis aquila: ASE, Tunisia 13254
Notophthalmus viridescens 5385
Perca fluviatilis: Europe, Constance L. 8565
Phocaena phocaena: ANE, Denmark 2993
Physeter catodon 11980
Pisces 13242
Pisces: PSW, South Orkneys 6488
Podocnemis lewyana: Colombia 9659
Procellaria parkinsoni: PSW, New Zealand 9635
Raja: ANW, USA 11985
Sagitta: ASE, Mediterranean 13350
Salmo clarki: Canada, British Columbia, Vancouver Is., Great Central L. 6483
Salpa aspera: ISW, Great Australian Bight 6505
Scylla serrata: ISEW, Australia, Queensland, Moreton Bay 10847
Siganus spinus: ISEW, Guam 6499
- Sparus auratus*: ASE, Spain, Alfaques Bay 12939
Spinax spinax: ASE 1747
Spondyliosoma cantharus: ANE, British Isles, Devon 11981
Squalus acanthias: ASE 1747
Squalus fernandinus: ASE 1747
Thunnus albacares: ISW 3160
 Feeding behaviour: *Oncorhynchus tshawytscha* 1744
 Food composition: *Mugil cephalus*: ASE, Israel, Haifa Bay 380
- Storage,**
 2220, 10074
Gadus morhua 13924
Melanogrammus aeglefinus 13924
Scomber scombrus 2184
 Preservation (fishery products) 3486
- Storage effects,**
 4527, 8893
Anguilla anguilla 11802
Aspergillus 5715
Callinectes sapidus 13917
Cetacea 5707
Crassostrea 7886
Cyprinus 11263
Escherichia coli 8883
Gadus morhua 4522, 4523, 8891, 13924
Katsuwonus pelamis 4027, 13905
Macrourus berglax 5678
Melanogrammus aeglefinus 13924
Ophicephalus striatus 13911
Opisthonema oglinum: Brazil 3529
Pandalus jordani 13901
Parapenaeopsis styliifera 13909
Patinopecten yessoensis 7887
Pectenidae 13895
Penaeidae 5713
Phaeophyceae 2199
Pisces 5291, 5714, 6884, 8895, 12482
Pisces: I, Pacific 7883
Rastrelliger kanagurta 13923
Sardinella longiceps 13923
Scomber japonicus 13906
Scomber scombrus 2196
Scomberomorus guttatus 13923
Scylla serrata: ISEW, Malaysia 5704
Sebastes 13903
Sebastes marinus 5693
Sebastes melanops 13901
Thunnus alalunga 13905
Thunnus zacalles 13898
Urophycis chuss 5709
Xiphopenaeus kroyeri 12479
 Cold storage: *Penaeidae* 3569
 Cured products: *Pelecypoda* 3550
- Storms,**
 USA, New York, Cayuga L. 8793
 Salinity effects: Japan 1175
 Sea level: ASE, Israel, Ashdod 87
- Strains,**
Lepomis macrochirus: USA, Iowa, West Okobij 6069

Paramecium caudatum 9204
Pseudomonas 12728
Pseudomonas: ISW, Red Sea 12729
Salmo gairdneri 10639
Salmonella: Czechoslovakia, Danube R. 9666
Tetrahymena pyriformis 8162
Vibrio: ANW, USA, Chesapeake Bay 8079
Vibrio anguillarum 10862

Straits, 3603

Stress,

Acipenser gueldenstaedti 13010
Bacteria 8087
Clarias batrachus 4017
Morone 13184
Salmo salar 11185
Tilapia mossambica 10787

Strontium,

7051
 ANE, Baltic Sea 6655
 ANE, North Sea 5474
 ANE, Norwegian Basin 5474
Algae: INW, Korea 5470
Aristichthys nobilis 6709
Cricosphaera carterae 10421
Mugil auratus 7679
Pleuronectes platessa 7679
 Pollution effects: INW, Japan 641

Sublittoral zone,

ASE, France, Roussillon 5367, 5369, 5370
 PNW, White Sea 12095
Algae: ANE, Isle of Man, Port Erin 6600

Submarine crust,

ISEW, Philippine Sea 4711

Submarine features,

3799, 3802, 5875, 5897, 10233
 A, Mid-Atlantic Ridge 3801, 11408
 AN 11403
 ASE, Crete 4705
 ASE, France, Menton Bay 7043
 ASE, France, Villeneuve Bay 11418
 ASE, Morocco 4710
 ASW, Caribbean, Batabano Gulf 10224
 ASW, Colombia 4709
 ISEW, Philippine Sea 4711
 PNE, Canada 10223
 PNE, USA, Alaska 10223
 PSW, Scotia Sea 10222
 Mapping: ISE, East Pacific 99

Submarine topography,

ISW 10229

Submarine volcanoes,

A, Mid-Atlantic Ridge 5907
 ASE, Aegean 9079
 PSW, Albatross Cordillera 11409
 Environmental effects: ISEW, Bonin Is. 2020
 Fishing grounds: ISEW, Bonin Is. 2020
 Temperature: ISEW, Bonin Is. 1234
 Topography: ISEW, Bonin Is. 1232

Subpopulation,

ASE, France, Fos Gulf 12077
Asterionella formosa: USA, Pennsylvania, Edinboro L. 12056
Balaenoptera brydei: World Oceans 13833
Balaenoptera physalus: A, Southern Hemisphere Oceans 13830
Bosmina longirostris: INE, USA, Washington, Seattle, Union Bay 8622
Bufo: Japan, Nara Prefecture, Mt. Ohdaigahara 6357
Cardium 4892
Cobitis biwae: Japan 12997
Crassostrea virginica: ANW, USA 9241
Crassostrea virginica: ASW, Venezuela 9241
Cynoscion nebulosus: ASW, Mexico Gulf 9677
Cynoscion nebulosus: ASW, USA, Florida 9677
Eschrichtius robustus: IN 13835
Gadus morhua: PNW, White Sea 7502
Gambusia 8367
Globicephala macrorhynchus: ISW 13068
Laurencia pacifica: INE, USA, California, La Jolla 8120
Menidia menidia: ANW 10624
Merluccius merluccius 13058
Micromesistius australis: PSE 12046
Micromesistius australis: PSW 12046
Mytilus edulis: ANE, British Isles, England, Cornwall, Rock 10905
Mytilus galloprovincialis: ANE, British Isles, England, Cornwall, Rock 10905
Nuttallina californica 8243
Osmerus eperlanus: USSR, Inland waters 9381
Ostrea edulis: Europe coasts 9241
Phocoena spinipinnis 13837
Phocoenoides: INW 13312
Physa virgata: USA, Texas, Arlington L. 13340
Physeter catodon: World Oceans 13829
Plethodon jordani 8440
Pseudacris triseriata: USA, Colorado 8625
Rana blairi: USA 6544
Sardina pilchardus 13058
Sebastes alutus: IN 7485
Theragra chalcogramma: IN 7864
Theragra chalcogramma: INW, Japan 3052
 Chromosomes: *Schizomeris leibleinii* 134
 Feeding migrations: *Oncorhynchus keta*: INW 1031
 Population genetics: *Salvelinus alpinus*: Europe, Constance L. 1825
 Stock assessment: *Oncorhynchus nerka*: INW, USSR, Kamchatka 997

Subpopulations,

Littorina squalida: INW, Busset Lagoon 12052

Succession,

Canada, Inland waters 12094
 France, Pavin L. 10913
 Ghana, Inland waters 4247
 INE, USA, California 5415
 INW, Peter the Great Bay 10944
 Malawi, Chilwa L. 3146
 USA, Michigan 7747
 USA, New York, Cayuga L. 8793
Algae 5328

Algae: ANE, Isle of Man, Port Erin 6600
Algae: ANW, Canada, St. Margaret's Bay 13398
Algae: ASE, Adriatic 11464
Algae: ASE, Mediterranean 4240
Algae: INW, Japan 9747
Bacteria: USA, Washington, Washington L. 12151
Balanus amphitrite: ANE, Netherlands, Delta Area 6391
Clarias batrachus 4256
Cyprinodon salinus: USA, California, Zzyzx Spring 8621
Dugesia tigrina: Netherlands 6413
Gammarus lacustris 9526
Gammarus tigrinus: Netherlands 6392
Halophila stipulacea: ASE, Mediterranean 7353
Hyalallela azteca 9526
Hydroides elegans: ANE, Netherlands, Delta Area 6391
Invertebrata: ASE, Black Sea 12300
Macrocystis pyrifera 5383
Mercierella enigmatica: ANE, Netherlands, Delta Area 6391
Mollusca: Hungary 5408
Orconectes limosus: Netherlands, Inland waters 4249
Pisces 8647
Posidonia oceanica: ASE, France, Mediterranean 7562
Salvelinus fontinalis 11013
Tetracilita stalactifera: ISE, Panama, Paitilla 11001
Sugar,
Campetra fluviatilis 13040
Porphyridium cruentum 6003
Tetrahymena pyriformis 12832
Sulphates,
4287, 4631, 4632, 12571
Population parameters: *Bacteria* 2944
Sulphides,
Gadus morhua 4522
Rhodophyceae 7523
Rhombus maeoticus: ASE, Black Sea 9881
Sediment analysis: Italy, Inland waters 100
Sulphur,
ANE, Bothnia Gulf 9899
Algae 13370
Bacteria 4797
Bacteria: Italy, Faro L. 11346
Bacteria: PS 5918
Daphnia magna 8764
Euglena gracilis 11891
Perca fluviatilis 8764
Metabolism: Sicily, Faro L. 70
Surface currents,
12508
Surface microlayers,
11020, 12641
ANE, Germany, F.R., Sylt Is. 11359
NE, USA, Oregon 12587
Surrounding nets,
4451, 7787, 12331, 13568
ASE, Mediterranean 13565

Anguilla: Poland 13551
Anguilla: Poland, Sasak Wielki L. 13310
Salmonidae 12329
Surveys,
3662, 12560
ANE, Biscay Bay 4657
ANE, British Isles, East coast 4653
ANW, James Bay 2319
ANW, USA, Massachusetts 4394, 7744
ASE, Crete 7348
British Isles, Blagdon L. 3142
Hawaii, Honolulu, Ala Wai Canal 9507
INW 5623
ISEW 5623
ISEW, Caroline Is. 13500, 13505
ISEW, Guam, Piti Bay 13502
ISEW, Marshall Is. 13503, 13504
ISEW, Palau Is. 13506
ISEW, Sunda Shelf 10031
ISEW, Truk Is., Moen 13501
USA, Oregon, Willamette R. basin 3703
Aves: ISW, Persian Gulf 5160
Bryozoa: ANE, British Isles, Scilly Is. 12800
Lipotes vexillifer: China, People's Rep., Tung Ting L. 13518
Mollusca: ASE, Elba Isl. 4220
Mollusca: INW, Japan, Mutsu Bay 10425
Myctophidae: INW 5325
Myctophidae: ISEW 5325
Pisces: ASE, Crete 7348
Ecology: South Africa, Zululand, Mgobezelini 1606
Ecosystems: Madagascar 1111
Fish catch statistics: INE, USA, California 459
Fisheries data: Ivory coast, Kossou L. 970
Survival,
11039
Actinopterygii 9641
Algae 4757, 6478
Anabas testudineus: India, Bihar 13681
Austropotamobius pallipes 8300
Bacteria 2477, 2479
Bacteriophages 8790
Batillaria minima 2653
Cancer magister 12333
Coris julis 13672
Cyanoplax hartwegii 8242
Cyanoplax hartwegii: INE, USA, California, Pacific Grove, Mussel Point 8524
Cyprinus carpio 10543, 13676
Diatomae 7083
Escherichia coli 11038, 11909
Escherichia coli: ANW, USA, Chesapeake Bay, Rhode R. 2943
Escherichia coli: USA, Colorado 4741
Euglena gracilis 11528
Fundulus heteroclitus 11180
Gammarus 8249
Gammarus aequicauda: ASE, France 6156
Gloeocapsa alpicola 11515
Homo sapiens: ANE, North Sea 12566
Ictalurus punctatus 13208

- Invertebrata*: Poland, Mikolajskie L. 13393
Labroides phthirophagus 10991
Lepidobatrachus llanensis 8419
Muricidae 13408
Musculium securis: Canada, Ottawa R. 7477
Mytilidae 12874
Nitocra spinipes: ASE, France, Camargue 11657
Nothobranchius guentheri: Africa, East 8545
Notropis atherinoides 10743
Oliva sayana 12153
Palaemon elegans 7401
Panulirus argus 9309
Pisces: ASE, Azov Sea 9640
Pisces: ASE, Black Sea 9640
Pisces: USSR, Inland waters 7490
Placopecten magellanicus 13715
Podiceps cristatus: Poland, Masurian Lakeland 6348
Raphoneis 7093
Reovirus 4753
Salmo aguabonita 9647
Salmo gairdneri 9647
Salmonella: Czechoslovakia, Danube R. 9666
Salmonella typhimurium 2947
Salmonidae: USA, Idaho 13699
Salvelinus fontinalis 13180
Scenedesmus 10341
Shigella sonnei 9110
Stizostedion vitreum: USA, Minnesota, Osakis L. 12989
Tokophrya lemnarum 9210
Tubifex 7723
Vibrio parahaemolyticus 3564
Fish larvae: *Scophthalmus maximus* 869
Fish larvae: *Solea solea* 868
Nutritional requirements: *Dicentrarchus labrax* 870
Rivers: *Escherichia coli* 1280
Starvation: *Carassius auratus* 1746
- Suspended matter,**
3251, 3692, 3708, 3709, 3712, 3714, 3715, 3716, 3717,
3718, 3719, 3720, 4680, 6970, 8022, 8024, 8984, 11315,
11317, 11337, 11343
ANE, British Isles 6974
ANW, Canada, St. Lawrence Estuary 11391
ANW, USA, Maryland, Patuxent estuary 12121
ANW, USA, New York 4177
ANW, USA, Rhode Island 7042
ANW, USA, South Carolina 10202
ASE 2371
ASE, Lyon Gulf 5354
ASE, Mauritania 8954
ASE, Western Sahara 8954
Austria, Danube R. 2358
India, Mandovi R. 10183
INE, USA, California 6749
IS, Pacific 2332
ISE 2331, 3113
ISE, Peru 2331
Nigeria, Kainji L. 12667
USA, Iowa 12707
USA, Nebraska, Missouri R. 8014
USA, Ohio, Inland waters 8021
Bacteria: ANE, British Isles, Humber Estuary 12126
Copepoda: ANW, USA, Maryland 11137
Thalassiosira: ANW, USA, South Carolina 7084
Geographical distribution: INE, USA, Oregon 3073
Oil pollution: *Mytilus edulis*: INE, USA, California, San Francisco Bay 571
Turbulence 1176
- Swim bladder,**
9919
Antimora rostrata 6293
Ceratoscopelus maderensis 13056
Clupea harengus 11755
Ctenolabrus rupestris 5065
Cyprinus carpio 6514
Gnathonemus petersii 7306
Lepisosteus oculatus 4003
Pisces: Central America 8322
Pisces: North America 8322
Poecilia latipinna 6316
Salmo salar 9427
Wallago attu 3025
Antimora rostrata 6296
Barbus 8414
Coryphaenoides acrolepis 6296
Cyprinus 8414
Hydrocynus 8414
Labeo 8414
Circulatory system: *Lepomis gibbosus* 1549
- Symbionts,**
Bacteria 11178, 13401
Balanus crenatus 12159
Bivalvia 10839
Brachionus charini: USSR, Inland waters 11571
Caedobacter taeniospiralis 9108
Caenostheria davidi: USSR, Inland waters 11571
Carcinus maenas 12159
Catostomus commersoni *Enterobacteriaceae*: America, Great Lakes 13400
Chaetogaster limnaei 13307
Comanthus bennetti 11754
Condylactis gigantea: ASW, Bahama Is., Bimini 10990
Corbula: ASE, Black Sea 12155
Cyanophyceae 7103
Cyprinus carpio *Enterobacteriaceae*: America, Great Lakes 13400
Discotrema crinophila 11754
Ephemera danica: Sweden, Stampenbaecken 10982
Epoicocladins ephemerae: Sweden, Stampenbaecken 10982
Gastropoda 9580
Gloeochaete wittrockiana 8106
Halosydna brevisetosa: INE, USA, California, Monterey Bay 12842
Hydra 9653
Leptinogaster: ASE, Black Sea 12155
Macrozamia communis 7103
Mytilus edulis: ANW, USA, New York, Montauk 13410
Nostoc commune 7103
Oncorhynchus 11178
Paguridae 9580
Pagurus impressus 3139
Pagurus pollicaris 3139

- Artemia primaurelia* 9944
Artemia tetraurelia 9108
Pongia: ANE, British Isles, Hampshire, North
 Hayling 9816
Halassoma bifasciatum: ASW, Bahama Is.,
 Bimini 10990
Polvox carteri 13401
Symbiosis,
 8663
 NW, Japan 4255
Byssotrema pritchardae Alepocephalus 1355
Actinia equina 4248
Actinia mutabilis 8536
Actinia tagetes 4762
Algae 7591, 12148
Algae: ISE, California Gulf 11003
Amphiprion 8671
Asterioidea 11669
Aurelia aurita: ASW, Bahama Is. 7595
Bolla 6618
Acteria 3150, 5405, 6602, 7603, 8088, 8674, 9800
Bankia australis 5416
Bartholomea annulata: ASW, Bahama Is. 7594
Bartholomea annulata: ASW, Panama 219
Conellia viridis 11998
Crissus lateracarinatus 5417
Caledoniella montrouzieri: ISW, Thailand 3151
Calliactis conchicola 7601
Caryophyllia smithii 7596
Chlamydomonas reinhardtii 3150
Sondylactis gigantea: ASW, West Indies 12137
Copepoda 11669
Coralliophila meyendorffi 4248
Cuna gambiensis: ASE, Africa 8667
Cypaea cinerea 3143
Marlingtonia californica 487
Cecapoda 7552
Cnidemnum: ISE, California Gulf 11003
Ctenogenes edwardsi 5218
Ctenoptera 487
Clypsia viridis 7602
Cnidodinium 4776
Cukaryota 9800
Ctenopteridae 5265
Conodactylus viridis: ISW, Thailand 3151
Criffithsia flosculosa 10850
Calichoeres semicinctus: INE, USA, California 7409
Cermaea bifida 10850
Cippolysmata grabhami: INW, Japan 8264
Cirudo officinalis 6619
Cydra viridis 4251
Cynsecta 8674
Cebrenia danae: ASW, Bahama Is. 7594
Calacotenus macropus: ASW, West Indies 12137
Ctenozoa 4933
Conobranchium drachi: ASE, Africa 8667
Ctenopus vulgaris 4933
Cagurus 7589
Catella: PSW, South Africa Rep. 4260
Chelomyxa palustris 7603
Chontoniinae: IS, Indo-West Pacific 7552
Porifera 3143
Premnas 8671
Pseudomonas hirudinicola 6619
Ridgewayia fosshageni: ASW, Panama 219
Scyllarus: ASW, Bahama Is. 7595
Siphonophora: ISW 4252
Stoichactis 8671
Synechocystis: ISE, California Gulf 11003
Tridachia crispata 7602
Tubificidae 5405
Verongia 6602
 Environmental effects: *Ciliata* 1928
 Photosynthesis: *Platymonas convolutae Convoluta*
roscoffensis 2528
 Protective behaviour 5218
Sympatric populations,
Asellus 4241
Astacus astacus: USSR, Lithuania 10894
Astacus leptodactylus: USSR, Lithuania 10894
Cichlasoma cyanoguttatum: USA, Texas, Rio
 Grande 8623
Cichlidae: Mexico, Coahuila, Cuatro Ciénegas 8623
Diaptomus 12138
Echinoidea 10393
Oncorhynchus kisutch 12364
Rana berlandieri: Mexico 10665
Rana blairi: USA 6544
Rhinichthys 8366
Rivulinae: ASE 7240
Salmo gairdneri 12364
Salmo trutta: Sweden, Bunnarsjoarna L. 11783
Symposia,
 British Isles, London 2280
 USSR, Leningrad 2296
Macrobrachium: USA, Florida, St. Petersburg 3410
Pisces: New Zealand 2294
Scombridae: Spain, Madrid 2287
Synergism,
 8758
Cristigera 9906
Synthesis,
Cutleria multifida 12770
Synthetic fibres,
 2306
Tagging,
 9555, 13805
Alopias vulpinus: ISW 11906
Anguilla anguilla: ANE 13157
Anguilla anguilla: ANE, Baltic 13158
Anguilla anguilla: ANE, Norway,
 Hardangerfjord 13552
Anguilla anguilla: ASE, Biscay Bay 13157
Aplysia kurodai: INW, Japan, Nabeta Bay 5174
Cetacea: IN 7384
Clupea harengus: ANE, British Isles, Scotland 5290
Clupea harengus: ANE, Kiel Bight 5167
Esox lucius: ANE, Finland, Oulujoki Estuary 13321
Gadus morhua: ANE, Baltic 5168
Merlangius merlangus: ANE, North Sea 13854
Morone saxatilis: ANW, USA, Maryland, Chesapeake

- Bay 10740
Oncorhynchus keta: INW 11893
Oncorhynchus nerka: INE, Canada 13164
Oncorhynchus tshawytscha: Canada, British Columbia, Nanaimo R. 6443
Parophrys vetulus: INE, Puget Sound 9561
Penaeus aztecus 8483
Penaeus aztecus: ASW, USA, Mississippi, Biloxi Bay 7386
Penaeus latisulcatus: ISW, Australia, Western Australia 5625, 13786
Penaeus plebejus: ISEW, Australia, Queensland 5164
Pisces 9673
Pusa caspica: USSR, Caspian Sea 9452
Ruditapes decussatus: ASE, Mauritania 13316
Salmo: British Isles, Inland waters 9560
Salmo salar 9438, 13050
Salmo salar: ANW 10734
Salmo salar: ANW, Canada, New Brunswick 11903
Salmo salar: Canada, New Brunswick 7801
Salmo salar: Canada, New Brunswick, Big Salmon R. 10734
Salmo salar: Canada, Nova Scotia 7801
Salmonidae: ANW, Greenland 5175
Scomber japonicus: ISEW, East China Sea 10728
Scomber scombrus: ANE, Ireland 2937, 11899
Scombridae: ASE, Canary Is. 12423
Tautoglabrus adspersus 5208
Thunnus alalunga: A, Atlantic 13794
Thunnus thynnus: A, Atlantic 13160
Thunnus thynnus: ASE, Morocco 2931
 Horizontal distribution: *Clupea harengus*: Germany, Fed. Rep., Schleswig-Holstein, Schlei 1669
 Migrations: *Ruditapes decussatus*: ASE, Mauritania 1666
 Population density: *Pisces*: Czechoslovakia, Lipno Reservoir 1014
 Sampling (statistical): *Pisces* 351
 Stock assessment: *Pisces*: British Isles, Windemere L. 1011
 Stock assessment: *Pisces*: Germany, Fed. Rep., Trave R. 959
Tankers, 4384
Tanks, 9979
Taste organs,
Catla catla 2794
Cyprinidae 12959
Ictalurus punctatus 2827
Pisces 9344
Rana 8425
Rana catesbeiana 8455
Taxis,
Chlorella vulgaris 1327
Lymnaea stagnalis 5196
Turbellaria - 7407
Taxonomy,
 11856, 12069
Acanthodii 8915
Acanthoeaceae: ANE, Denmark, Isefjord 7107
Acanthopagrus bifasciatus: ISW, Arabian Sea 7155
Acanthopterygii: ISW, Red Sea 10544
Acartiura 9285
Acetabularia crenulata 10318
Acetabularia farlowii 10318
Acetabularieae 10317
Achnanthes hauckiana 1308
Acilius fraternus dismalus: USA, North Carolina 12922
Acinetospora 4778
Acronuria: Nearctic Region 11713
Actabularia haemmerlingi 5979
Africatenula riuruae: Kenya, Inland waters 11569
Aglaja 10429
Aglajidae 10429
Algae: ANE, British Isles 11480
Algae: ASE, Black Sea 7542
Algae: India, Kanpur 4082
Algae: USA, Virginia, Chesterfield County, Apponmattox R. 12755
Alloglossidium progeneticum 168
Aleromonas luteo-violaceae: ASE, Mediterranean 8083
Ameira divagans: ANE, Kiel Bight 4952
Ameiridae: ASE, Mediterranean 4965
Ammonoidea: Spain 6099
Ampelisca: PS, Antarctic Ocean 9277
Amphibia: USA, Tennessee 1578
Amphibia: USA, West Virginia 5159
Amphipoda: ASE, Canary Is., Fuertaventura 6148
Amphipoda: ASE, Sicily 9280
Amphipoda: INW, Japan Sea 11672
Anacropora 3867
Analetris eximia: Canada, Saskatchewan R. 9326
Anchoa 4024
Anguilla: Africa, Kariba L. 7493
Anguilla japonica: ISEW, Taiwan 8347
Anguilliformes: ISW 2773
Anodonta 4895
Anura 6381
Apjohnia 9132
Apriophorus 2726
Araphidales: PSW, Argentina, Puerto Deseado 133
Architectonica: ASE, Mediterranean 7183
Architectonicidae 2619
Argathona macronema: ISW, Kenya 2666
Argirospina: ISW, Arabian Sea 7155
Argyropelecus: INW 9367
Ascidaceae: INW, Japan, Amami Is. 10361
Asellota: ASE, Mediterranean 4966
Aspidonectes californiana: USA, California, Sacramento R. 6353
Astartidae: ANE, North Sea 4885
Atopocoenia kugleri: Venezuela, Margarita Isl. 3898
Atraster: ISW, Arabian Sea 7155
Aurelia aurita: USA, Texas, Corpus Christi 6541
Auxorobathynellinae: PSW, South Africa 9276
Austrolaimidae: Southeast Asia coasts 1367
Bacillariophyceae: Canada, Ontario L. 5982
Bacteria: ASE, Mediterranean, Gulf of Fos 8736
Balaenoptera acutorostrata: PS, Antarctic Ocean 9468, 9473

- Alaenoptera bonaerensis*: PS, Antarctic Ocean 9473
Alanus amphitrite 3970
Alatidae: ASW, Cuba 12965
Alangia 10312
Alangiophycidae 4772
Alarathronus macalatus: ISW 11769
Alarbus calidus: South Africa, Cape Province, Olifants R. 6222
Alckerella scalaramosa: ISEW, Philippines 9138
Alellura gortynoides 5000
Alentidae 7277
Alenthodesmus suluensis: ISEW 11745
Alenthodesmus suluensis: ISEW, Sulu Sea 11745
Alerardius 9474
Aleryciformes: ASW, Brazil 8847
Alomphalaria havanensis: Grenada 4902
Alomphalaria salinarum: South West Africa 2625
Alenniidae 2784
Alenniidae: ASE, Mediterranean 2760
Alennius ponticus 2784
Alapharisma 9208
Alombinidae 5106
Alorhus: ASW, Cuba 2771
Alorichirus albomaculatus 8335
Alorichirus commersoni 8335
Alorichyura: ASE, Black Sea 9291
Aloranchiostoma: ASW, Jamaica 2792
Aloratislavica 7137
Aloropsis lyngbyei: ANE, Germany, F.R., Helgoland 11479
Alorozoa 4802
Aloruthinella 4893
Aloruthinella: Yugoslavia, Inland waters 12851
Aloraiman yacare: Bolivia, Mamore R. 2844
Aloramopora 10371
Aloraceostomatidae: ASE, Tunis Gulf 7134
Alorigalus kurochkini: ISW, Great Australian Bight 2682
Aloraliactis androgyna: ASW 4045
Alorolithamniella 11477
Alorlogobius trifasciatus: ISW, Andaman Is., Mayabunder 9370
Alorancellariidae 2634
Alorancellariidae: Australia coasts 9245
Alorobangiidae 2566
Alorophya: ISW 1437
Aloroprellidea: PSW, South Africa Rep. 9275
Alorarangidae: ASW, Jamaica 256
Alorardium 3928, 4892
Alorarex 11475
Alorontropages caribbeanensis: ASW, Mexico Gulf 12890
Alorontropomidae 3998
Aloretacea: Pakistan 4037
Alorhaetetoidea 7136
Alorhaetoceros 7081
Alorhaetodon mitratus: ISW, Mascarene Is. 6224
Alorhaetodontidae: ISEW, Taiwan 12951
Alorhaetopeltis 1301
Alorhaetophoraceae 8105
Alorharacini 8331
Alorheilodipteridae: World Tropical Regions 11744
Alorhelodina: New Guinea 13084
Alorhelonia: India 12407
Alorhilomonas oblonga 11866
Alorhithon phaseolinus 8204
Alorhithydomonas 7079
Alorhithella 2498, 11517
Alorhithothalmus bicornis: ISW 11734
Alorhithophyceae 10296
Alorhithophyta: ASW, Brazil, Sao Luis I. 9118
Alorhithophyceae 11472
Alorhithorus pigroides 8258
Alorhithridiales 3839, 3840
Alorhithata 8147
Alorhithatulidae 10381
Alorhithocerithium taeniatum: ISEW, Papua New Guinea 4910
Alorhithon nigricans: ASE, Tunisia 7135
Alorhithonidae: ASW, Bermuda 3889
Alorhithon 11487
Alorhithu 12968
Alorhithus fragile: ANE, Iceland 8509
Alorhithentera 3860
Alorhithynopora: ASE, Romania, Agigea 11544
Alorhithomycidium simulii 2472
Alorhithella: ISE, Chile 6089
Alorhithella: PSW, Chile 6089
Alorhithomatus pupa 3974
Alorhithopoda steinii 8153
Alorhithomenia: PSE, Australia 10309
Alorhithopogon oishii: Japan 5971
Alorhithicola: PSE, New Zealand 7208
Alorhithomorpha 11612
Alorhithon 3932
Alorhithopoda: America, Amazon R. 6130
Alorhithognathapsis gibbus: ASE, Italy, Secche della Meloria 3956
Alorhithaceae 5981
Alorhithonidae 5048, 6213
Alorhithu 5103
Alorhithaenoides subserulatus: PSE 11743
Alorhithonozawae: Japan, Hokkaido, Inland Waters 9355
Alorhithonema: ASE, Yugoslavia 11567
Alorhithomonas rosstratiformis 11866
Alorhithonemiales: ISW, Australia, South Australia 1302
Alorhithodrilidae 10381
Alorhithophora: AN 4803
Alorhithomedusae 2552
Alorhithozoa 4849, 12795
Alorhithamidae 1424
Alorhithanidium caldarium 4772
Alorhithocyclas cornea 4734
Alorhithocyclotella nana 11476
Alorhithoclothone: ANE 9379
Alorhithocymbella 126
Alorhithothoidae 2665
Alorhithodontini 8331
Alorhithopraea: ISE, Hawaii 2613
Alorhithopridinaceae: ASE, Naples Gulf 2687
Alorhithopridinidae 5320
Alorhithoplerus volitans: ASW, Cuba 2771
Alorhithoscopus: ISE, America 9380
Alorhithopoda 6151

- Decapoda*: ANW, USA 3960
Dendrodoris senegalensis: ASE, Senegal 4842
Desmidiaceae: Chile, Concepcion 5974
Desmodora ovigera: ASE, Yugoslavia 11567
Desmoscolex: ISEW, Great Barrier Reef 4807
Diastobanchus capensis 7271
Diatomaceae: Canada, Ontario L. 3849
Diatomae 6945, 6954
Diatomeae 5132
Diceratobasis macrogaster: West Indies 5003
Dictyoconus americanus: Jamaica, Red Gal Ring 3894
Dictyota hauckiana: ISW, Arabian Sea 10303
Didemnum candidum: ISW, Aqaba Gulf 5107
Digenea 9192
Dinoflagellata 4767, 4801
Dinoflagellata: ANE, Germany, F.R., Sylt, List 11483
Diplodon delodontus: South America, La Plata River 5317
Diplodus: World Oceans 7274
Diretmus 7241
Discoglossus 5106
Discotrema crinophila: ISEW, Fiji 11754
Docinodus: Malawi, Malawi L. 6241
Donax cuneatus 10431
Donax variabilis 10431
Doto: ANE, British Isles 11609
Dugesia lugubris 12791
Dugesia polychroa 12791
Dunker 2630
Dytiscidae 1474
Echinocardium cordatum 4823
Echinodermata 11547
Echinoidea: ISE, Chile, Eastern Islands 6025
Echinorhynchus 6044
Echiurida: ASW, Brazil, Ilha Grande 4811
Ectoprocta 7136
Ekalakia lamberti 11666
Elastipoda: World oceans 8148
Enchiridium japonicum: ISE, Hawaii 11563
Endeidae 11714
Endodinium 4776
Enoplida: USSR, Baikal L. 9197
Ernodesmis 9132
Ervilia 2620
Etheria elliptica: Africa, Laupula R. 11614
Etheria elliptica: Africa, Victoria L. 11614
Eubbranchipus bundyi: USA, Wisconsin 12888
Eubbranchipus serratus: USA, Wisconsin 12888
Eucampia balaustium 4769
Euchaetidae: ASW, Mexico Gulf 2690
Euchirograpsus 6151
Euphausiaceae 12891
Exocoetidae: AS 7242
Fastigiella 11554
Fauveliopsis: ASE, Mediterranean 3888
Favosites asper 10371
Fissurella: ISE, Chile 6089
Fissurella: PSW, Chile 6089
Flintiella sanguinaria 11468
Foraminifera 2545, 11556
Foraminifera: ASW, South American Shelf 10387
Foraminifera: Puerto Rico 4174
Fritschiella tuberosa 7109
Fungi: Norway 7076
Gabonella: Trinidad 3896
Galaxiidae: Tasmania 12949
Gammaridae: USSR Coasts 4943
Gammaridea: PSW, South Africa Rep. 9275
Genicanthus: I, Pacific Ocean 2758
Giulianium campbelli 10533
Glaucoma 4830
Globorotalia menardii: ISE 1348
Gloeochaete wittrockiana 8106
Gnorimosphaeroma 4085, 8620
Gobiomorphus: New Zealand 4007
Gocea 11626
Gonodactylus botti: ISEW, Java 4957
Gonorhynchiformes 5015
Gonyaulax 5973
Gonyaulax tamarensis: ANW, USA, Maine 7492
Gorgonacea: ASE, Mediterranean 9174
Gracilaria: INW, Japan 9126
Gracilariopsis: INW, Japan 9126
Grallatoria 11477
Gymnamoebia 8167
Gyrodactylus costatae 12797
Halymenia: ANE, France 4777
Halymenia: ASE, France 4777
Haplocerataceae 6098
Haplochromis polli 13187
Haploniscidae: A, Atlantic 9278
Harpacticoida: ANE, Spitzbergen 3959
Harpacticoida: PSE, Kerguelen Archipelago 9279
Harpacticoida: ISW, Tanzania 3958
Harveyella mirabilis 10311
Hastigerella: ASE, Mediterranean 4961
Hauffenia: Switzerland 10428
Hemidiscaceae 7092
Hemihaplochromis philander 13187
Hippoglossoides platessoides: ANW, Canada 3987
Hippolyssmata grabhami: INW, Japan 8264
Hirudinea: North America 11559
Howella: World Subtropical Regions 11744
Hydrachnellae: Guatemala 3982
Hydromedusa: South America 11841
Hydrophitrema gigantea 3004
Hydropsyche: Poland 2731
Hymenomonas lacuna: INE, USA, Washington 5975
Hypacantus 2762
Hyphydrus 2726
Idiastion kyphos: A, Atlantic 6202
Inguza: PSW, South Africa Rep. 9458
Istiophoridae: ISEW 11770
Istiophoridae: ISW 11770
Juvenichitoninae: INW 4916
Kronborgia spiralis 12009
Labeo rohita 1485
Labidochirus splendescens 2676
Labidochromis: Africa, Malawi L. 5040
Lamellaria sharoni 4908
Lamellibrachia 3902
Laophonte capillata 8265

- aridospora appendiculata*: Malaya, Gombak R. 5956
atirus: ASW, Barbados 4899
atona 10431
epidocyclina 3892
eucicorus atlanticus: ASW 6228
eucicorus lusciosus: INE 6228
euciscus souffia: Italy, Garda L. 272
oglossina punctata: ISW 11734
ipotes vexillifer 4041
lithobius 6153
litoria aurea: Australia, New South Wales 2843
littorinidae: ISW, Australia, South Australia 11615
lolygonidae: INW, Japan 12848
lucapina: ISE, Chile 6089
lucapina: PSW, Chile 6089
lumbiculus 11548
lutjanidae 1489
lycaea nasuta 11661
lycodes sagittarius: PN 2783
lymnaeidae: Poland 7177
lysmata amboinensis: INW, Japan 8264
maccullochella: Australia, Murray-Darling R. 260
macrochiridothea 4945
macrouriformae: ISE, Chile 1494
majidae: ISEW, Philippines 7200
malacotenus triangulatus: ASW 2790
malacostraca 2667
mallomonas transsylvanica: Romania 5984
marginella spryi 2604
marstoniopsis 4893
mariteilia refringens 6039
mastogloia gregorii: ISE, Tahiti 3068
mastogloia punctatissima: ISE, Tahiti 3068
melanostomiatidae: INW, Kuroshio Current 11747
melosira 5968
menidia 10595
miamira sinuata: INW, Japan 2631
microtendipes rydalensis 6180
minchinia: ANW, USA, Virginia 10863
mitridae: ISE, Hawaii, Oahu I. 10437
moelleria antarctica 4769
mollusca 11593
mollusca: ISEW, Marquesas Is. 6097
mollusca: PSW, South Africa 6088
mollusca: PSW, South Africa Rep. 9242
mollusca: Thailand 12845
monotaxinae: IS 12953
monstrilloida 4942, 6128
morum praeclarum: PSW, South Africa, Natal 4874
mullidae: ASW, Jamaica 258
munida proxima: ISW, Indian Ocean 7204
muraenesox: World Oceans 11766
myodocopina 2693
myozona: ISE, Galapagos 3884
mysidacea 1446, 3948
nassariidae 2630
nausitora 6093
nematoda: ANE, North Sea, Sylt 3876
nematoda: ASW, Bermuda, Tucker's Town Cove 11564
nematogenys: Chile 5033
neomenia yamamotoi: INW, Japan 8209
neophocaena 9466
neotanaidae 6152
nephrochloris salina 11481
nitocrella ioneli: Morocco, Ziz R. 3947
nitzschia delicatissima 11476
notonemouridae: Australia 3981
notothenia larseni: PSW 11767
notothenia phocae: PS, Antarctic Ocean 11772
nototodarus sloani: PSE, New Zealand 13852
nybelinella brevidorsalis: ISW 11769
obelis 4812
ochthebius 9325
odacidae: PSE, New Zealand 10565
odax pullus: PSE, New Zealand 10565
oedogonium: INW, Japan 12746
oligochaeta: USSR, Caspian Sea 10364
ommastrephes 4917
omobranchus 2788
opecoelidae: ISW, Bay of Bengal 9194
orchomene: AN 8269
oregoniateuthis longimanus: PSE, New Zealand 7369
ostracoda 12880
ostracoda: INW, Japan 3953
ostrea hebridica 8207
ostreidae 9241
ostreidae: INW, Japan 4912
otolithoides brunneus 12960
ovatella 6092
ovulidae 2633
padina 5978, 12744
pagurus brevidactylus 2663
pagurus geminus: INW, Japan 6137
palaeofavosites 10371
palmaria palmata: INE 11493
pama pama 12960
pandalus gracilis 6141
pandalus prensor 6141
pannellaina 11554
paracoryne huvei 12812
paracyttopsis: ISW 11763
paradiscogaster niger: ISW, Pakistan, Karachi 9188
parallela novae-zelandiae: New Zealand 8507
paraxenomystax: ANE 7255
paronychocampus 8265
parthenope expansus 10486
pavlova calceolata: ANE, British Isles, Tamar Estuary 5976
pavlova gyrans 11481
pavlova mesolychnon 11481
penaeidae: ISEW, Hong Kong 12896
penion dilatatus 7180
peranemopsis granulifera: Japan, Inland waters 12747
perciformes: INW, Japan Sea 7270
perciformes: INW, Okhotsk Sea 7270
perciformes: INW, Yellow Sea 7270
percoidei: IS 12953
percomorphi: ISW 2774
perissodus eccentricus: Africa, Tanganyika L. 7247
peristedion: ASW, Cuba 6217
peritrichida 4829
petroglossum nicaeense: ASE, Mediterranean 7350

- Petromyzon* 5102
Petromyzonidae 9461
Peyssonnelia: ASE, Mediterranean 10295
Peyssonnelia: ASE, Turkey 11491
Peyssonnelia crispata: ASE, France 7102
Peyssonnelia rosa-marina 7099
Phaeophyta: ASW, Venezuela 3843
Phagocata 4805
Pharopteryx benoit 10571
Phialocephala fluminis 11449
Phlyctidiaceae: Norway 7076
Phlyctochytrium: Norway 7076
Phoca vitulina: IN 13079
Pholidichthys leucotaenia: ISEW 11765
Phrynos nasutus nasutus: ASW, French Guiana 13085
Phylloporaceae: ANE, British Isles 1298
Phyllosiphon arisari 10296
Phylocentropus placidus 6485
Phylolestes ethelae: West Indies 5003
Physidae 186
Pinna 2617
Pinnidae 2617
Pisces 6197, 10563, 10570
Pisces: ASE 11748, 11749
Pisces: ASW 11750
Pisces: ASW, USA, Mississippi Sound 3989
Pisces: Australia, Queensland 3627
Pisces: ISE 11746
Pisces: ISEW, Australia, Queensland 3627
Pisces: Pakistan, Kohat 8510
Pisces: PSW 11749
Pisolamia 6091
Pithophoraceae 1293
Placentophora: PSE, New Zealand 10301
Plakarthriidae 10489
Planorbula jenkinsii 4909
Plasmiorchis pellucidus 9195
Platanistidae: Pakistan 4037
Platymantis 5103
Pleurobrachia bachei: ASW, Mexico 12079
Pleurocerinae: World inland waters 5151
Pleurotaenium minimum: Czechoslovakia, High Tatra Mountains 10293
Pleurotomella: ANE, Iberian Deep-Sea Basin 11616
Pleuroxus 8258
Podocopida 10477
Pogonophora 3901, 3904, 3906, 10369
Polycarpa 5104
Polycelis: Romania 8159
Polychaeta 8143
Polychaeta: ASE, Ivory Coast 8146
Polychaeta: ASW 10376
Polycystididae 1366
Polysyncraton: ASE, France, Banyuls-sur-mer 5108
Pomacentrus nagasakiensis: ISEW, Bonin I. 8348
Pomadasyidae: ASW, Jamaica 257
Pomatoschistus norvegicus: ASE 7259
Pontella danae: ISW, Bangladesh 9286
Pontella danae ceylonica: ISW, Pakistan 12898
Pontella investigatoris: ISW, Bangladesh 9286
Pontella investigatoris: ISW, Pakistan 12898
Porifera: ASW, West Indies 3897
Porphyra 10312, 11494
Porphyra: ASW 4764
Porphyra: INE, Canada, British Columbia 11492
Porrassia malorquensis 6147
Portunidae: ISW 12889
Potamothrix heuscheri 11568
Potamothrix thermalis 11568
Potamotrygon garouaensis: Nigeria 6203
Potomida 4895
Prochlorophyta 12753
Prionocephalidae: ISW, India 9193
Protozoa: PSE, New Zealand 2570
Prunum spryi 2604
Prymnesiophyceae 11472
Pseudocella platonovae: PNW, White Sea 4844
Pseudocharopinus 12668
Pseudodendromonas vikii 2563
Pseudomonas magnesiorubra 10278
Pseudophryne corroboree: Australia, New South Wales 9467
Pseudotrebouxia 10305
Pseudotriakidae 2743
Pteropoda 12846
Puntius mahecola 12957
Pygidium areolatum: Chile 5032
Pygidium maculatum: Chile 5032
Rachovia: ASW, Colombia 7253
Rana nitida: Malaysia, Pahang 304
Rana tweediei: Malaysia, Pahang 304
Rhacophoridae: Madagascar 8422
Rhamphostomellina posidoniae: ASE, Aegean 8141
Rhantus: USA 1478
Rhiniodon 10572
Rhizosolenia 7080
Rhodomonas 11469
Rhodophyceae: ASE, Mediterranean 7362
Rhodophyta 9139
Rhodymenia palmata: INE 11493
Rhynchobothrium: ANW, USA 6031
Rhynchocinetes rigens 7373
Rhynchorhamphus 7246
Rouleina attrita 9376
Rouleina mollis 9376
Rutilus rubilio: Italy, Garda L. 272
Sagitta 9175
Sagitta guileri 4843
Saipanetta 10477
Salmo: USSR, Armenia, Sevan L. 5049
Salmo mykiss: INW, USSR, Kamchatka 6263
Salmonoidei 5048
Salpidae 4059
Salpingoeca spinifera: PNW, Barents Sea 9121
Salvelinus: Holarctic Region 9383
Salvelinus: USSR, Sakhalin 436
Saprolegnia 4162
Sargassum: ASW, Venezuela 11484
Scenedesmus 11474
Scissurellidae 4876
Scleractinia 10378
Scolecithricella beata 10717

- Scomberesox*: ASE 253
Scomberesox: PSW 253
Scombridae: ASE, Mediterranean 6199
Scorpaena: ASW, Cuba 6217
Scorpenidae: ASW, Cuba 1518
Scourfieldia 4808
Scyliorhinidae 2743
Searsiidae: ASE 11738
Searsiidae: I, Pacific 11739
Senilia 4903
Serrasalmidae 9357
Siboglinum fiordicum 3900
Siderocapsa 4750
Siderocapsaceae 3835
Sierrathrissa leonensis: Nigeria, Kainji L. 9361
Sipunculoidae: ISEW, East China Sea 11565
Skeletonema 9125
Skeletonema: ANE, Finland Gulf 10315
Spaleromantis marina 9124
Sphaeriidae 4734
Sphaeriusidae 4734
Sphaeroidea 10388
Sphaeroma 1430
Sphaeroplea 4770
Sphyraena: PS, Antarctic Ocean 11772
Sphyraenidae: ISW 4000
Spirorchiidae 9195
Stauroneis phoenicenteron: ANW, Baffin I. 8095
Stenasellinae: Bulgaria 206
Stenopus zanzibarcus: ISW, Tanzania 12894
Styloscolex 11548
Succinea wilsoni 4905
Symplectoteuthis 4917
Synaphobranchidae 7271
Synechocystis didemni 12753
Syngnathidae: IS 9374
Synidotidae 4002
Tardigrada: ISW 1359
Tellina deltoidalis 4883
Terebra lingualis: Panama, Canal Zone 2610
Terebra robustum: Panama, Canal Zone 2610
Tetraedron 129
Tetraodon 2757
Thalassiosira minuscula 11476
Thunnus 12047
Tintinnida 8164
Tintinnida: ASW, Mexico Gulf 8516
Tintinnida: PN, Arctic 9196
Toledonia 10443
Trebouxia 10305
Treubaria 11488
Tricladida 2568
Trilobita 4955
Tripterygion: ASE, Mediterranean 9384
Tripyla 10363
Turbellaria 8168
Turbellaria: ANE, North Sea, Sylt Isl. 3883
Tusayana 11612
Uca: World Oceans 7197
Unicapsula pflugfelderi: ASE, Mediterranean 10383
Unio 4895
Urosporidium: ANW, USA, Virginia 10863
Valvata 11626
Vibrio 13893
Volvocales: India 11470
Wattisia 12953
Xarifania hassi: ISW, Comoro Is., Mayotte I. 5035
Zemira 4881
Zen itea: ISW 11763
Abundance: *Bacteria*: ASE, Mediterranean, Rhone R. 1279
Anatomy: PSW, Chile 3885
Biogeography: *Eucyclops graeteri*: France, Iowa Mountains 1429
Biology: *Euphausiacea*: ASE, Mediterranean 2654
Biology: *Thecomyia limbata*: Brazil 242
Biology: *Tilapia*: Mexico 913
Check lists: *Majidae*: I, Indo-Pacific 223
Evolution: *Rasborinae* 2776
Geographical distribution 2727
Immunology: *Bulinus*: Algeria 187
Invertebrates 154
Keys: *Chlorophyceae Cyanophyceae*: Hungary 130
Keys: *Phaeophyta*: ANE, British Isles 135
Life cycle: *Brevortia* 1488
Marine ecology: *Ascidacea*: ASE, Yugoslavia, Rovinj, Adriatic 305
Morphology: *Eleotridae*: ASW, Cuba 1517
Morphology: *Ferrissia wautieri*: Germany, F.R. 1396
Morphology: *Gobiidae*: ASW, Cuba 1517
Morphology: *Guavina guavina*: ASW, Cuba 269
Morphology: *Luvurus imperialis*: ASW, Cuba 2770
Morphology: *Scomber japonicus*: ASW, Cuba 2770
Morphology: *Stromateidae*: ASW, Cuba 2770
Morphology (organisms): *Chlorophyta* 1303
Morphology (organisms): *Iglica* 1395
Morphology (organisms): *Lembos*: ASE, Mediterranean 208
Morphology (organisms): *Macrocotyla* 165
Morphology (organisms): *Pseudogobius javanicus*: INW, Japan, Okinawa Prefecture 1515
Morphology (organisms): *Redigobius bikolanus* 1516
Morphology (organisms): *Teleostei*: ISW, Aden Gulf 275
New records: *Gammaridea*: INW, South Sakhalin 1453
New species: *Atylus massiliensis*: ASE, Mediterranean 215
New species: *Caprodon unicolor*: ISE, Midway Is. 1505
New species: *Cephalaspidea*: AN 1402
New species: *Cheumatopsyche*: USA 248
New species: *Copepoda*: PSW, Chile 1439
New species: *Cyanophyceae*: Czechoslovakia, Slovakia, Danube R. 128
New species: *Gammaropsis (Podoceros) barnardi*: INW, South Sakhalin 1453
New species: *Gammarus*: Asia Minor 211
New species: *Heteroptera*: Colombia 247
New species: *Lembos parahastatus*: ISW 212
New species: *Lembos punctatus*: ISW 212
New species: *Liljeborgiidae*: ASE, Mediterranean 214
New species: *Metacnephia amphora*: British Isles 245
New species: *Oncaea latimana*: ASW, Mexico

- Gulf 1454
 New species: *Paracladopelma schlitzensis*: Germany, Fed.Rep., Hessen, Breitenbach 241
 New species: *Paradontophora danka*: Southeast Asia coasts 1367
 New species: *Parascolaismus amphidporus*: Southeast Asia coasts 1367
 New species: *Parascolaismus proprius*: Southeast Asia coasts 1367
 New species: *Pseudopallene glutus*: PSE 2736
 New species: *Ptychoptera peusi*: USSR, Kavkaz, Upper Baksan Region 1473
 New species: *Seguapallene insignatus*: PSE 2736
 New species: *Synchelidium bulyschevae*: INW, South Sakhalin 1453
 New species: *Synchelidium gurjanovae*: INW, South Sakhalin 1453
 New species: *Turgecaecum longifauces*: ASW, USA, Florida 1357
 Oils 5953
 Parasites: *Colacium libellae* 1309
 Pelagic fisheries: *Scombridae*: ISW 810
 Population growth: *Clava multicornes* 153
 Population growth: *Clava squamata* 153
 Population structure: *Scomberomorus maculatus*: ASW, Mexico Gulf 259
 Racial studies: *Schizomeris leibleinii* 134
 Speciation: *Berkeleya* 1300
 Speciation: *Enhydra lutris* 1835
 Speciation: *Muggiaea* 1524
 Speciation: *Pleurodema kriegi* 1581
 Strains: *Chroococciopsis* 127
 Terminology: *Epiactis*: PSE, New Zealand 1358
 Terminology: *Muraenidae*: ISE, Galapagos 1522
 Ultrastructure: *Monochrysis lutheri* 136
 Ultrastructure: *Pavlova lutheri* 136
- Taxonomy Morphology (organisms) Meristic counts,**
Bonapartia pedaliota: AS 11740
Bonapartia pedaliota: ISW 11740
Margrethia obtusirostra: AS 11740
Margrethia obtusirostra: ISE 11740
Margrethia obtusirostra: ISEW 11740
Margrethia obtusirostra: ISW 11740
Myctophum: World tropical regions 11742
Stomiidae: World Oceans 11741
- Tectonics,**
 ASE, Alboran Sea 101
 ASE, Crete 4705
 ASE, Spain 7034
 ASW 3807
 Europe 2412
 ISEW, Philippine Sea 4711
 PSW, Scotia Sea 10222
 World Ocean 4699
 World ocean 5896
- Telemetry,**
 8951, 8975, 8977, 9978, 9986, 9989
 INE, USA, California 5831
- Temperature,**
 3722, 6924, 10098, 11298, 11299, 11300, 11301, 12116
- Africa, Inland waters 11401
 AN 11377, 12064
 British Isles, Shropshire 3814
 I, Pacific 3723
 INE, Bering Sea 7016
 INE, Pacific 11400
 ISW 7015
 PSE, Tasman Sea 9046
 PSW, Scotia Sea 3778
Carcinus maenas 9302
Haliotis discus 10450
Penaeus aztecus: ASW, Mexico Gulf 11921
Penaeus setiferus: ASW, Mexico Gulf 11921
Uca: USA, Texas, Mustang I. 9581
- Temperature effects,**
 7988, 9082, 9101, 11325, 12165, 13346, 13422
 ANW, USA, South Carolina 9766
 INW, Kuril Is. 5386
 ISEW, Guam, Piti Bay 13502
 USSR, Inland waters 5458
Acanthamoeba castellanii 9237
Acanthaster planci 13437
Acanthaster planci: ISEW, Guam 13498
Acetabularia mediterranea 12763, 12777
Achlya papillosa 4747
Acipenseridae: USSR, Inland waters 10586
Acmaea limatula 6121
 Algae 5392, 6479, 11531
Althenia filiformis: ASE, Mediterranean 7115
Ambystoma maculatum 6371
Amphibia 13089
Anabaena circinalis 2523
Anguilla 13204
Anguilla anguilla 9403, 13618
Antimora rostrata 6291
Aphanomyces astaci 5286
Aptocyclus ventricosus 10587
Artemia salina 11192
Asterias rubens 11914
Austropotamobius pallipes 8299, 9316
Bacteria 2476
Bacteria: PS 5918
Bacteria: USA, South Carolina, Savannah R. 7404
Basommatophora 5234
Bellerophon maleus: ASW, Mexico Gulf 9117
Biomphalaria pfeifferi: South Africa, Transvaal 7194
Brevoortia tyrannus 6318
Bryopsis maxima: INW, Japan 13214
Bufo mauritanicus: Tunisia 8452
Bulinus globosus: South Africa, Transvaal 7194
Callinectes sapidus 10521
Callinectes sapidus: ASW, Mexico Gulf 8751
Carassius auratus 5066, 9443
Carcinus maenas 8301
Catostomus commersoni 10591
Catostomus commersoni: America, Erie L. 6707
Caulerpa racemosa 13439
Chelonia 13089
Chlamydomonas 5172
Chlorophyta: INW, Japan 11525
Chondrus crispus 9777

- Thionerpeton indistinctum* 6367
Clupea harengus: ANE, Baltic 9395
Lopepoda: ASE, Mediterranean 3034
Corbicula leana 4927
Coregonus: USSR, Inland waters 7587
Corophium triaenonyx 9575
Corophium triaenonyx: ISW, India, Visakhapatnam 13179
Crangon crangon: ANE, Germany, F.R., North Sea 6599
Cricosphaera carterae 11917
Crocodylus johnstoni 6369
Crocodylus porosus 6369
Crustacea 12903
Cuenestheriella setosa 4113
Culicidae 9333
Cynolebias bellottii 6477
Cyprinodon nevadensis: USA, California, Death Valley 13382
Cyprinodon nevadensis: USA, California, Saratoga Springs 8370
Cyprinus carpio 5601, 7286, 10642
Oaphnia cucullata: USSR, Konakovskaya Station 9695
Oerocheilocaris typica 8532
Echinodermata 13438
Echinolampas crassa 8179
Echinometra mathaei 13438
Eigenmannia virescens 13193
Fundulus majalis 9578
Fungi: ANW, USA, Connecticut 4745
Fungi: USA, Connecticut 4745
Gadus morhua 5644, 9577
Gambusia affinis 7449, 8411
Gammarus 8249
Gasterosteus aculeatus: USA, Oregon, Columbia R. 9903
Glugea stephani: INE, USA, Oregon 6524
Glyptonotus antarcticus 9573
Goniobasis clavaeformis 4145
Gymnocephalus cernua: ANE, Sweden, Hamnefjaerden Bay 12051
Gyrodactylus 12796
Haliotis gigantea 10444
Harpacticoida 11678
Helobdella stagnalis: Canada, British Columbia, Marion L. 12783
Hemigrapsus nudus 11701
Ictalurus punctatus 7320
Idotea chelipes 2716
Invertebrata: PNW, White Sea 9094
Katsuwonus pelamis 9444
Labeo umbratus 7325
Lebistes reticulatus 6452
Lepidobatrachus llanensis 8419
Leptophlebia vespertina: British Isles, Wales, Inland waters 5185
Littorina littorea 2645
Lymnaea natalensis: South Africa, Transvaal 7194
Lymnaea palustris 13285
Lymnaea stagnalis 5188, 7193
Lymnaea emarginata 12220
Macoma balthica 9570
Melanogrammus aeglefinus 9577
Menidia menidia 10652
Mercenaria mercenaria 11642
Mertensiella caucasica 6368
Mesovelia mulsanti 12932
Misgurnus fossilis 9498
Mollusca 5497
Mopalia lignosa 8239
Morone saxatilis 6330
Mugiloidae 11143
Mytilus edulis 5199, 12858, 12869
Mytilus edulis: ANE, British Isles, Devon 9253
Nemoura avicularis: British Isles, Wales, Inland waters 5185
Notophthalmus viridescens 10690
Notropis atherinoides 10743
Notropis lutrensis 7418
Odax pullus: PSE, New Zealand 10565
Oligocottus 8499
Ophiocephalus punctatus 9606
Orconectes virilis 12914
Palaemon elegans 7401
Panopeus herbstii 10745
Paramecium caudatum 2593
Paranephrops zealandicus 12916
Paratelmusa hydrodromus 8292
Perca flavescens 13167
Perca flavescens: America, Erie L. 6707
Perca flavescens: USA, Oregon, Columbia R. 9903
Phaeophyta 11950
Phaeophyta: INW, Japan 11525
Phoxinus phoxinus 9567
Physa virgata: USA, Texas 8718
Physeter catodon: ISW 10048
Pimephales promelas 12232
Pisces 6295, 6299
Pisces: PNW, Barents Sea 6876
Pisces: Sweden 12254
Planorbarius corneus 11634
Platthemis lydia 8318
Pleuronectidae: ANW, Labrador Current 5644
Pocillopora damicornis 7403
Poliovirus 5947
Pseudemys scripta 11852, 13099
Pseudopleuronectes americanus 10608, 10609, 10726
Pseudopleuronectes americanus: ANW, USA, New York 5195
Pyura stolonifera: PSW, South Africa, False Bay 8449
Rana 8448
Rana catesbeiana 10692
Rana esculenta: Italy, Naples 11844
Rhinichthys atratulus 6285
Rhodophyta: INW, Japan 11525
Rivulus cylindraceus 8363
Salmo gairdneri 6303, 9437, 10653, 13021, 13022, 13474
Salmo salar 9438, 13671
Salmo trutta 4140, 4143, 6516, 8574, 13046
Salmonella typhimurium 2947
Salmonidae: America, Michigan L. 13465
Salvelinus 9582

- Salvelinus fontinalis* 8406
Saprolegnia anisopora 4749
Saprolegniaceae: USA, New York, Wallkill R. 10975
Scyliorhinus stellaris 9448
Sebastes 13176
Semotilus atromaculatus 9422
Sepia officinalis 11632
Spisula solidissima 11642
Stizostedion canadense 13173
Stizostedion vitreum 13173
Tachidius discipes 4101
Tautoga onitis 9568
Teleostei 8387, 8407
Tetracita squamosa: ISW, Aqaba Gulf 9569
Thalassia testudinum 7398
Thunnidae 13047
Thunnus albacares: ISEW 12437
Tilapia mossambica 10651
Tinca tinca 5057, 9421
Tisbe holothuriae 13213
Tonicella lineata: INE, USA, California, Carmel Point 8238
Uca panacea: ASW, USA, Texas, Mustang Island 7199
Urodela 9496
Verruca stroemia 4975
Vibrio parahaemolyticus 3564
Viviparus contectoides 6111
Bacterial diseases: *Oncorhynchus* 1789
Bacterial diseases: *Salmo gairdneri* 1789
Biogeography: ANW 1189
Eggs: *Cyprinus carpio* 2111
Embryology: *Copepoda*: World inland waters 225
Gametes: *Enteromorpha* 1676
Growth: *Spirulina platensis* 1328
Ichthyoplankton: *Stizostedion canadense* 1683
Life cycle: *Acartia clausi* 1456
Microbial contamination: *Gadus morhua* 2214
Microbiology 1982
Muscular system: *Mollusca* 2200
Muscular system: *Pisces* 2200
Recruitment: *Gadus morhua* 2175
Respiration: *Chlorella* 1336
Respiration: *Lepisosteus platostomus* 1573
Respiration: *Scyliorhinus canicula* 2830
Salinity effects: *Modiolus demissus* 2651
Traps: *Pisces*: USA, Florida, Crystal R. 2019
Vertical distribution: *Anguilla japonica*: ISEW, Okinawa 347
- Temperature tolerance,**
5486
Acanthaster planci 13437
Alosa aestivalis 7695
Alosa pseudoharengus: America, Michigan L. 13182
Ambystoma gracile 9478
Aona intestinalis 4434
Austropotamobius pallipes 8300, 9316
Bacteria: USA, Montana, Inland waters 10277
Balanus amphitrite 4434
Balanus tintinnabulum: INE, USA, California 6784
Barytelphusa cunicularis 11693
Brevoortia tyrannus 7695, 9864
- Centrarchidae*: USA, South Carolina 8750
Chlorella 11514, 11516
Chrysaora quinquecirrha: ANW, Chesapeake Bay 631
Chthamalus 4434
Crassostrea virginica: ANW, Chesapeake Bay 7724
Cyprinus carpio 5602
Fundulus heteroclitus 11180
Gasterosteus aculeatus: USA, Oregon, Columbia R. 9903
Helix 8232
Insecta 13170
Lepomis macrochirus 9584
Menidia menidia 7695
Mollusca: ANE, Germany F.R. 11915
Mytilus edulis: ANW, Massachusetts, Somerset, Brayton Point 11092
Mytilus edulis: INE, USA, California 6784
Notropis atherinoides 10743
Oncorhynchus nerka 9441
Patella 8232
Perca flavescens 13167
Perca flavescens: USA, Oregon, Columbia R. 9903
Physa virgata: USA, Texas, Arlington L. 13340
Pisces 5523, 9440
Pisces: USA, Virginia, New R. 5527
Salvelinus 9582
Shigella flexneri: Iran, Karadj R. 8085
Stizostedion canadense 13173
Stizostedion vitreum 13173
Syncoryne eximia: INE, USA, California 6784
Thais 13185
Tilapia mossambica 8394
Urodela 9496
Osmoregulation: *Callinectes sapidus* 631
- Tentacles,**
Heliophrya erhardi 8150
Lanice conchilega 11552
Littorina littorea: ANW, USA, Maine, Deer Isle, Northwest Harbor 10434
Tokophrya 6045
- Terminology,**
10703, 10794, 10963
World Zoogeographic Regions 9506
Alella 4948
Anomistrea pyxidata 2638
Aotea acus: PSE, New Zealand 10558
Arapaima 5019
Aruma histrio: ISE 10556
Asciadiaceae: INW, Japan, Amami Is. 10361
Asellus 6146
Asellus aquaticus 11671
Aspidonectes californiana: USA, California, Sacramento R. 6353
Astreptonema longispora: Germany, D.R., Ichtershausen 10272
Australocypris 7201
Bacteriastrium: ISEW, Hong Kong 7082
Berowra 9364
Blenniidae: ASE, Mediterranean 2760
Callogobius okinawae: INW, Japan, Kagoshima Prefecture 9368

Calonitophyllum medium 5969
Carangidae: ASW, Brazil 2755
Catonotus kennicotti 6207
Cetorhinus maximus 8498
Chaetoceros 7081
Chlamydomonas 9140
Cichlasoma bouchellei: Nicaragua 6208
Cleiothyris 4813
Cloeon: Europe 9329
Cloridopsis bengalensis: ISW, India, Bengal 11667
Closterium ralfsii 10294
Closterium subjuncidiforme 10294
Coelenterata 4814
Coleoptera 5002
Conidae 10438
Crossocarpaceae: INW, USSR 9119
Cypraea piperita 4877
Cyprinae 7201
Cystoseira 8104
Cystoseira compressa 8104
Cystoseira corniculata 8104
Dermatobranchus 12849
Diatomae 7089, 7094
Dicamptodon 10662
Discorbidae 9181
Drepaneidae 5020
Fastigiella 9181
Florideae 10325
Glabella ansonae: ISW 2615
Gloeomonas simulans 9140
Guinardia blavyana 7080
Hymenena media 5969
Hyperammina carinthiaca 2549
Hyperammina carnica 2549
Lampris guttatus 10559
Leptocylindrus 7080
Loligo 11622
Loligo chinensis 11622
Lorica 4878
Marginella spryi: ISW 2615
Mitridae: ISE, Hawaii, Oahu I. 10437
Nephrochytum complicatum 3840
Nuia: ANW, St. Lawrence Bay 12741
Okkelbergia 8332
Ophioderma 4815
Ophiopsis 4816
Ophiura 4815
Ostracoda 12880
Ostrea pyxidata 2638
Pagurus brevidactylus 2663
Pannellina 9181
Paradoloria dorsoserrata: South West Africa, Luederitz Bay 6043
Paradoloria pellucida: INW, Japan 6043
Pellasiimnia: ISE, Pitcairn Is. 6097
Pellonulinae: Thailand, Mekong R. 9366
Penaeidae 11665
Petromyzonidae 9461
Phytobius torvipes: USA, California 11929
Pinnularia ambigua 10302
Pisces 5046

Pisces: ASE, Mauritania 2237
Pisces: ASE, Turkey 3367
Pisces: INE, USA, California 10564
Pisces: INW, Japan 5008
Pisces: Philippines 13271
Pisces: Southern Africa 5037
Pristipomoides multidens 9365
Pristipomoides typus 9365
Proboscidea 7166
Pseudopenaeus forsskali: ISW, Red Sea 6225
Pterois zebra 5021
Rana tweediei: Malaya, Selangor 11839
Rhodomonas 11469
Sagamiscintilla 2637
Scintillorhis 2637
Scombridae: ASE, Canary Is. 12414
Spirotropis carinata 2623
Spirotropis sarsi 2623
Squilla bengalensis: ISW, India, Bengal 11667
Tetraodon steindachneri 2757
Tetraodontidae: ISEW, Taiwan 11751
Turbinidae 4884
Turbonilla: ANW, USA, Connecticut 7178
Volvarina pergrandis: ISW 2615
Cruises: ISEW, Great Barrier Reef 10366

Territorial behaviour,

Agrammus agrammus: INW, Japan 10997
Betta splendens 13190
Cetacea 9469
Eupomacentrus planifrons 10764
Galaxias vulgaris: New Zealand, Glentui R. 10760
Gasterosteus aculeatus 9602, 10753
Gymnocephalus cernua 7417
Haplochromis burtoni 4121
Hexagrammos otakii: INW, Japan 10997
Hiodon alosoides 10780
Lamprologus brichardi 13186
Lepomis macrochirus 4116
Nereis vexillosa 10360
Odontodactylus scyllarus 10468
Periophthalmus sobrinus 8551
Pisces 6462
Platynereis bicanaliculata 10360
Pomacentrus: ISEW, Guam, Tumon Bay 10765
Salmo gairdneri 8538

Territorial waters,

5731, 5732
Africa 5739
AN 7910, 7911
ANE, Iceland 11272
ANW, USA 4425
ASE, Mediterranean 2235
Australia coasts 5755
Caribbean region 3655
Central America 5738
Equador 3600
Europe, EEC 5737
South America 5738
USA 4537, 4566, 4568, 5735

USA coasts 4567
World ocean 5736, 5750
3603

Territory,

Mopalia muscosa: INE, USA, California 8523

Test equipment,

Underwater exploitation: ASW, USA, Georgia 108

Testes,

Anseriformes 10615

Catostomus commersoni: Canada, Quebec, Gamelin L. 9396

Channa marulius 12961

Channa striatus 12961

Glyptothorax kashmirensis: India, Kashmir 5044

Parechinus angulosus 4870

Pisces 10615

Rana esculenta 2860

Salmo gairdneri 2817

Salmo trutta 13028

Salvelinus fontinalis 3290

Therapy,

Ictaluridae 5537

Salvelinus fontinalis 12004

Vibrio anguillarum 1766

Thermal aquaculture,

USA 5555

USSR, Inland waters 5458

Anguilla: Germany, Fed. Rep. 13644

Anguilla anguilla 13617, 13670

Crassostrea virginica: ASW, USA, Texas 2003

Cyprinus carpio: USSR, Inland waters 5601

Haliotis discus-hannai: Japan 13582

Labyrinthomyxa marina: ASW, USA, Texas 2003

Oncorhynchus kisutch 5599

Pagrosomus major: Japan 13582

Penaeus japonicus: Japan 13582

Salmo gairdneri: Germany, Fed. Rep. 13644

Seriola quinqueradiata: Japan 13582

Teleostei 13644

Feeds: *Cyprinus carpio*: USSR, Inland waters 912

Nutritional requirements: *Anarhichas* 392

Thermal pollution: *Pisces* 896

Thermal effects,

Pisces: USA, Indiana, White R. 5505

Thermal plumes,

3236, 12192

America, Michigan L. 7640

America, St. Lawrence 9850

ANW, USA, Massachusetts 7648, 7651, 7652, 7653, 9842

Salmonidae: America, Michigan L. 13465

Pollution control 1968

Pollution monitoring 643

Rivers 557

Thermal pollution,

3236, 3281, 4276, 4351, 4352, 5447, 5483, 5525, 5526,

6756, 11011, 11014, 11051, 11120, 12271, 13413, 13422

America, Michigan L. 4342

ANE, France 5512

ANW, USA, Delaware 4348

ANW, USA, Maryland, Patuxent R. 9763

ANW, USA, Massachusetts 4156, 4208, 4312, 4394, 7459, 7648, 7649, 7654, 7655, 7688, 7689, 7691, 7692, 7696, 7744, 9920, 9923, 9924, 9928

ANW, USA, New Jersey 4389, 5521

ANW, USA, Rhode Island 11125, 11141

ASE, Black Sea 6560

ASE, France, Port-la-Nouvelle 3168

ASE, Mediterranean 3233

ASW, USA, Texas 4363, 6760

INE, USA, California 7751, 11035, 12197

INE, USA, California, San Pedro Bay 4321

ISE, Hawaii 3292

ISEW, Guam 13498, 13499

ISEW, Guam, Piti Bay 13502

New Zealand, Waikato R. 11106

USA, Maine, Back R. 3229

USA, Susquehanna R. 6620

USA, Virginia, New R. 8752

USA, Wisconsin, Fox R. 7711

USSR, Inland waters 5458

World inland waters 12215

Aplysia 3276

Catostomus commersoni: America, Erie L. 6707

Centrarchidae: USA, South Carolina 8750

Chondrus crispus: ANW, USA, Massachusetts 7699, 9668

Copepoda: ASE, Black Sea 6560

Ephemeroptera: British Isles, Severn R. 8317

Invertebrata: USSR, Inland Waters 6716

Lepomis macrochirus: USA, Virginia 7725

Megaloptera: British Isles, Severn R. 8317

Mercenaria mercenaria 629

Mollusca 5497

Mytilus edulis: ANW, Massachusetts, Somerset, Brayton Point 11092

Perca flavescens: America, Erie L. 6707

Physa gyrina: Canada, Alberta, Wabamun L. 9877

Physa virgata: USA, Texas 8718

Physa virgata: USA, Texas, Arlington L. 13340

Pisces 5523

Pisces: USA 5555

Pisces: USA, Virginia, New R. 5527

Tellina tenuis: ANE, British Isles, Ayr. 3310

Trichoptera: British Isles, Severn R. 8317

Trinectes maculatur 631

Biological rhythms: *Trinectes maculatus* 630

Legislation: ANW, Chesapeake Bay 717

Marine pollution 499

Pollution control: USA, Texas, Lyndon B. Johnson L. 2022

Pollution effects: *Mercenaria mercenaria*: ANW, USA, New Jersey, Barnegat Bay 645

Temperature effects: *Pisces*: America, Ontario L. 1994

Temperature effects: *Stizostedion canadense* 1683

Temperature effects: *Stizostedion vitreum vitreum* 1683

Temperature tolerance: *Bivalvia*: ANW, Chesapeake Bay 631

Thermal plumes: USA, Maryland, Nanticoke R. 587

Weather conditions: USA 1957

Zooplankton 643

Thermal springs,

3808, 7037, 10251

Rhodesia 10244

Bacteria 3836

Diatomaceae: Czechoslovakia, Piestany Spa 10949

Insecta: USA, Virginia 1469

Nitrosomonas: USSR, Kamchatka, Inland waters 10273

Sulfolobus acidocaldarius: New Zealand, North I.,

Rotorua-Taupo 9098

Thermus: USSR, Tadzhikistan 2948

Thermal stratification,

3759, 11378

ASE, Black Sea 11387

ISW 11373

ISW, Persian Gulf 4661

World oceanic waters 11371

Eutrophic lakes: *Bacteria*: Canada 67

Water analysis (chemical): New Zealand, Ototoa L 1169

Winds: ANW, USA, Massachusetts, Nahant Bay 80

Thermocline,

3722, 3822

America, Ontario L. 12628

AN 9000

ANE, Irish Sea 6994

ANW, Cape Cod Bay 9040

ASW, Atlantic 7995

Canada, Ontario L., Hamilton Harbour 10181

IN, Bering Sea 9033

INW, Korea Strait 5879

USA, Tennessee, Center Hill Reservoir 12712

Phytoplankton: ANE, English Channel 81

Salinity: PNW, Lomonosov Current 1180

Seasonal variations: ANE, English Channel 81

Thermometers,

5837, 8866, 11318, 12602

Thermoregulation,

Bufo mauritanicus: Tunisia 8452

Crocodylus johnstoni 6369

Crocodylus porosus 6369

Helix 8232

Hemipteris americanus 10611

Lepomis macrochirus 7322

Lepomis macrochirus: USA, Virginia 7725

Micropterus salmoides 7322, 13013

Odobenus rosmarus: INE, USA, Alaska 11927

Patella 8232

Stenella longirostris 13104

Thunnus alalunga: PSE, New Zealand 11213

Thymallus arcticus 6329

Trematomus borchgrevinski 2822

Zalophus californianus 8472

Tidal currents,

2402, 12680

ANE, British Isles, Tay R. 8043, 9029

ANE, Germany, Fed.Rep., Juister Watt 4689

ANW 1189

ANW, Canada, Newfoundland 3770

ANW, Chesapeake Bay 9031

ANW, Fundy Bay, Cobequid Bay 9936

ANW, USA, Long Island Sound 5522

ANW, USA, Rhode Island 11127

ASW, Mexico 4199

ASW, USA, Florida, East Pass 9023

ASW, USA, Georgia 5871

INE 3775

INE, Puget Sound 6672

INW, Korea Rep. 5890

ISE, Ecuador, Guayas R. 9030

ISW, India 3739

PSE, New Zealand 9053

USA, Georgia, Duplin R. 11351

Balanus trigonus 13200

Copepoda: ISW, India 4193

Leptogorgia 10825

Measuring devices: PS, Ross Sea 1195

Tidal energy,

12713

Tidal waves,

ANE, Germany F.R. 8006

Canada, Front L. 6755

Tide gauge,

8969, 8977

ANE, Germany F.R. 8005

Tide tables,

ASE, Adriatic, Ancona 1205

ASE, Adriatic, Porto Corsini 1204

ASE, Adriatic, Taranto 1206

ASE, Adriatic, Trieste 1203

ASE, Mediterranean, Catania 7025

ASE, Mediterranean, Reggio Calabria 1207

Tides,

2402, 2403, 4731, 7061

ANE, British Isles, Tay R. 7999

ANE, Eire 9049

ANE, Germany F.R. 8005, 8006

ANE, Germany, Fed.Rep. 4688

ANW 12673

ANW, Fundy Bay, Cobequid Bay 9936

ANW, USA, Georgia 9934

ANW, USA, New York, Jamaica Bay 3783

ANW, USA, New York, Long Island Sound 11376

ANW, USA, North Carolina 3786, 9935

ANW, USA, Virginia, Wachapreague Inlet 9027

ASW 12673

ASW, USA, Alabama, Mobile Bay 9922

ASW, USA, Florida 3785

ASW, USA, Louisiana, Caminda Bay 9047

British Isles, Tay R. 7999

ISEW, Ellice Is., Funafuti Atoll 2351

ISW, Australia, Ord R. 9048

ISW, Red Sea 5847

PNE, Canada, Masset Inlet 4690

PSE, New Zealand 3779, 7044, 7918

PSW, Scotia Sea 3778

World ocean 8008

Algae 6468

Algae: ASE, France, Bassin d'Arcachon 11855

Angiospermae: ASE, France, Bassin d'Arcachon 11855

Cerastoderma edule 6081

Clinocardium nuttalli: INE, USA, Oregon 6470

Cyanoplax hartwegii: INE, USA, California, Pacific Grove, Mussel Point 8524
Donax fosseri: ANW, USA, Virginia, Wallops I. 11890
Elminius modestus 7430
Insecta 10524
Mollusca 6436, 6930
Monodonta turbinata: ASE, Italy, Trieste 11892
Mopalia muscosa 8525
Ocyrodidae: INW, Japan, Gamo Lagoon 10744
Oligocottus 8499
Pectinidae 6469
Pelecypoda 6467
Salicornia ramosissima 8528
Salicornia stricta 8528
Scrobicularia plana 4936
Spartina alterniflora: ANW, USA, Connecticut, Long Island Sound 12117
Thais haemastoma: ASW, USA, Louisiana 10746
 Mathematical models 86

Time series analysis,
 INE, USA, California 11400

Tissue culture,
 5435
Xenopus laevis 9495

Titanium,
Palaemon serratus 3226

Tolerance,
 12206
Acartia tonsa 13456
Asellus meridianus: British Isles, Cornwall, Hayle R. 12263
Bacteria 3275
Copepoda 8531
Cristigera 9906
Crustacea 7708
Dunaliella tertiolecta 6708
Idotea chelipes 2716
Lebistes reticulatus 4295
Notophthalmus viridescens 10690
Paramecium caudatum 2593
Peridinium bipes 6490
Pisces 13458
Rhodotorula glutinis 10823
Salvelinus fontinalis 6317
Skeletonema costatum 11527
Teleostei: Sweden, Avaa L. 6758
Tracheloraphis 8531
Zosteraceae: USA coasts 11457

Topography,
 3802, 10225
 A, Mid-Atlantic Ridge 5907
 ANE, Hebrides Sea 3805
 ANW 9067
 ANW, Canada, Newfoundland 2378
 ANW, USA, Massachusetts, Coate Beach 9929
 ASE, France, Menton Bay 7043
 ASE, Italy 2875
 ISE, Mexico 3765
 ISEW, Solomon Isl. 9068
 PSE, Southern Ocean 9035

Tetrapoda: USA, Texas 10668
 Models: PSE, Southern Ocean 1228
 Submarine volcanoes: ISEW, Bonin I. 1233
 Water circulation: PSW, Weddell Sea 1185
Total mortality,
Genypterus capensis: PSW, Southern African Coast 10804
Mugil cephalus: Mexico, Tamiahua L. 8859
Thunnus alalunga: A, Atlantic 12441
Trachurus trachurus: PSW, South West Africa 10885, 10886

Toxicants,
 5786, 7768, 12528
Algae 7756
Balanus improvisus: ASE, Black Sea 12301
Carassius auratus 9885
Dunaliella bioculata 7120
Ictalurus punctatus 11079
Loligo pealei 6764
Osteichthyes 4413
Pimephales promelas 9885
Salmo gairdneri 8742
Teleostei 8374

Toxicity,
 4381, 5442, 5480, 6726, 7070, 7685, 8726, 9875, 12170, 12205, 13449
 ANE, Poland 13511
Aedes aegypti 9946
Algae 6703, 12262
Anguilla anguilla 8748
Ankistrodesmus falcatus 9872
Bacillariophyceae 9945
Bacillus subtilis 11996
Bivalvia 3304
Bufo boreas: USA, Colorado, Clear Creek County 11080
Carassius auratus 8746
Cerebratulus lacteus 11144
Clarias batrachus 8771
Clupea harengus 12218
Crangonidae 13916
Crassostrea virginica 9889
Crustacea 7708
Cyprinus carpio 3308, 8688, 12228
Daphnia 13459
Daphnia magna 3288, 7621
Elodea densa 4319
Esox lucius 13443
Fundulus heteroclitus 6720
Gadus morhua 8779
Gambusia affinis 12225
Gammarus oceanicus 13461
Heliodaptomus viduus 8770
Heteropneustes fossilis 6695
Homarus americanus 5705
Ictalurus punctatus 4360
Invertebrata 4373
Laticauda semifasciata 1352
Limnocalanus macrurus 7621
Linckia laevigata 3351
Lymnata emarginata 12220

- Lyngbya 6715
 Madracis mirabilis 8772
 Mammalia 9945
 Mercenaria mercenaria 9889
 Mugiloides 11143
 Mysis relicta 7621
 Noemacheilus barbatulus 12261
 Palaemonetes vulgaris 8727
 Paramecium primaurelia 9944
 Parasalmo gairdneri 12228
 Penaeus setiferus 13478
 Phaeodactylum tricornutum 9895
 Pimephales promelas 11817, 11818, 12232, 12262
 Pisces 3285, 8738, 8919, 11199, 13453, 13458
 Poecilia reticulata 9872
 Rana pipiens 8451
 Rana temporaria 3286
 Rhithropanopeus harrisi 8739
 Rhodotorula glutinis 10824
 Salmo gairdneri 5506, 7621, 8692, 8749, 8758, 11085, 12226, 12260
 Salmo gairdneri: Germany, F.R., Rhine R. 8741
 Salmo salar 13444
 Salvelinus fontinalis 12229
 Salvelinus fontinalis 12260
 Salvelinus namaycush 7621
 Scyliorhinus canicula 9426
 Selenastrum capricornutum 7704
 Serratia marinorubra 11451
 Simocephalus vetulus 13482
 Skeletonema costatum: ANE, Irish Sea 13436
 Stomolophus meleagris 8798
 Uca pugnax 12247
 Vibrio parahaemolyticus 11451
 Aluminium: Salmo fontinalis 2000
 Aquaculture: Prorocentrum micans: INW, Japan, Hokkaido 768 4358
 Iron: Salmo fontinalis 2000 1983
 Oils: Skeletonema costatum 1948
 Pesticides: Invertebrata 1995
 Red tides: Gymnodinium breve 765
 Red tides: Gymnodinium breve: ASW, USA, Florida 760
 Red tides: Osteichthyes: ASW, USA, Florida 760
 Red tides: Pisces 765
 Waste water: Protozoa 1973
 Toxins,
 Cerebratulus lacteus 11144
 Pisces 11266
 Scenedesmus 10341
 Trace constituents,
 2303, 4620, 4642, 4643, 5860, 6973, 13605
 ANW, Atlantic 7986
 ANW, USA, North Carolina, Pamlico R. 7041
 ASE, Adriatic 11047
 ASW, Bermuda 12699
 Australia, Maribyrnong R. 12200
 Australia, Yarra R. 12200
 Denmark, Lakes 4668
 Aves: ANW, USA, New York 7722
 Choromyticus meridionalis 11098
 Coelopa vanduzeei: INE, USA, California 12223
 Isoparorchis hypselobagri 6077
 Orchestoidea corniculata: INE, USA, California 12223
 Ostreidae: PSW, South Africa, Knysna Estuary 9891
 Population growth: Algae 1923
 Sediment analysis: British Isles, Wales 2002
 Tracers,
 Canada, Ontario, Big Creek 10194
 Algae 12054
 Trade,
 12496
 Australia 5726
 Brazil 7900
 Germany, F.R. 10077, 10078, 10085
 India 4528
 Nicaragua 2218
 Anguillidae: New Zealand 2211
 Cephalopoda: Asia 13871
 Chelonia: India 12407
 Crustacea 12495
 Crustacea: Australia 3596, 7899
 Crustacea: Brazil 10084
 Ictalurus punctatus: USA 7816
 Mollusca: Australia 5728
 Mollusca: Brazil 10084
 Pectinidae: Australia 5725
 Penaeidae: USA 4529
 Pisces: Australia 3596, 5728, 7899, 13933
 Pisces: Brazil 10084
 Pisces: British Isles 1234, 3584, 7891, 13817
 Pisces: India 12497
 Pisces: Japan 12494
 Pisces: Southeast Asia 11197
 Pisces: USA 7891
 Pisces: World oceans 8897
 Scombridae: ASW, Puerto Rico 12025
 Aquariology 930
 Crabs 7897
 Fish meal 7898
 Fisheries: Australia 2231
 Fishery products 3574
 Fishery products: Australia 1071, 1072, 2231, 3594, 3595
 Fishery products: Israel 3580
 Fishery products: Japan 3576
 Fishery products: New Zealand 3577
 Fishery products: Norway 3575
 Frozen products: Panulirus: ASW, Brazil, Ceara 2155
 Shellfish: Australia 3594, 3595
 Transportation,
 2220
 ANW, USA, Rhode Island 11124
 Europe coasts 8872
 INW, Japan 8872
 Barbus 8414
 Chirocentrus darab: India 13925
 Ctenopharyngodon idella 13687
 Cyprinus 8414
 Cyprinus carpio 11187
 Doryteuthis bleekeri 10022
 Hilsa: India 13925

- Hydrocynus* 8414
Hypophthalmichthys molitrix 13687
Labeo 8414
Muraenesox: India 13925
Otolithus: India 13925
Pisces 2221
Scomberomorus guttatus: India 13925
 Fossils: *Ostracoda* 1260
- Traps,**
 3391, 12718
 ASE, Canary Is., Sta. Cruz di Tenerife 13538
 USA, Iowa, Iowa R. 10061
Anguilla anguilla: ANE, Norway, Hardangerfjord 13552
Culicidae: Kenya, Kano Plain 8310
Culicoides 9322
Decapoda: ISW, Mascarene Is., Reunion I. 6800
Decapoda: South Africa 3390
Dorosoma petenense: USA, Nevada, Mead L. 5661
Insecta 1609, 11438
Pisces 7786
Reptantia: INE, USA, Oregon 4449
Scombridae: ASE, Morocco, Ceuta 13798
 Commercial fishing: *Anoplopoma fimbria*: INE, USA 835
 Experimental fishing: *Ictiobus*: USA, South Dakota, Oahe L. 7789
 Gear research: *Anoplopoma fimbria*: INE, USA 835
- Trash fish,**
 India, Tilaiya Reservoir 13256
 South Africa 4518
Ambassis 13256
 Irradiation 3551
 Landing statistics: ISW, India 1034
 Processing fishery products 3521
 Terminology 1034
- Trawl nets,**
 4447, 4448, 4450, 6806, 6809, 9976, 12331, 12332, 13560
Anchoviella: ISW, India, Cape Comorin 2151
Penaeus 13571
Penaeus aztecus: ANW, USA, North Carolina 4454
 Catchability 2070, 8820
 Gear selectivity 837, 2069, 8818
 Shrimps: USA 836
- Trawlers,**
 9972, 13544
 France, Lorient 8894
 Hong Kong 13545
 ISW, India, Cochin 6809
 Fishing power: Hong Kong 2068
 Manuals 1086
 Winches 843
- Trawling,**
 6802, 9978, 9989, 12427
 ASE, Adriatic 12335
 IN, Bering Sea 12428
 INE, Puget Sound 11165
 INE, USA, California 7727
 ISW, India, Cochin 6809
Anguilla: ANE, German Bight 13775
- Mallotus villosus*: ANW, Canada, Newfoundland, Grand Banks 3461
Pisces: Africa, Rudolf L. 10026
Pisces: ASE, Adriatic 9981
Pisces: INE, Canada, British Columbia 6865
Pisces: ISW 11734
 Echosounding 2070
 Electric fishing: *Anguilla*: Germany, Fed. Rep. 826
 Exploratory fishing: ISW, India 3440
 Gear selectivity 818
- Tritium,**
 I, Pacific 5479
- Trophic levels,**
 10962
 ANW, USA, Maine Gulf 7584
 I, Pacific 10943
 INW, Peter the Great Bay 10944
 ISE 3134, 3135
 ISE, Hawaii, Kaneohe Bay 9693
 ISE, Society Is. 7583
 ISW 10943
 New Zealand, Inland waters 9813
 Poland, Leczna-Wlodawa 6613
 USA, Michigan, Inland waters 13128
Apogonidae: ISW, Madagascar, Tulear 12152
Bacteria: ANE, Germany, Fed. Rep., Kiel Fjord 5400
 Microorganisms 1288
- Tropical cyclones,**
 Asia 12694
 Australia 12694
 ISW, Mauritius 2411
 Southeast Asia 12694
 Water temperature 1188
- Tropical zones,**
Pisces 12527
 Freshwater ecology: *Pisces* 3096
- Tropism,**
Cyanea capillata 9593
- Tsunamis,**
 5889
 INW, Japan 1208
- Tumours,**
Anguilla anguilla: Europe 13270
Anguilla anguilla: Europe, Elbe R. 13270
Anguilla vulgaris: ANE, Baltic 8586
Arius felis: ASW, USA, Mississippi 7301
Crassostrea virginica: ANW, USA, Virginia 8216
Microstomus pacificus: INE, USA, California 396
Mugil cephalus: ASW, USA, Mississippi 7300
Myxine glutinosa: ANE, Sweden, Gullmar Fiord 8585
Paralichthys lethostigma: ASW, USA, Mississippi 7301
Salmo gairdneri 11996
Vibrio 13893
Xiphiidae 9652
Xiphophoridae 11785
- Tuna,**
 Quality control 2207
- Turbidity,**
 3692, 3707, 3708, 3709, 3710, 3712, 3714, 3715, 3716,

- 3717, 3718, 3719, 3720, 4680, 6625, 10225, 12282
 Africa, Tanganyika L. 3701
 ANE, Bristol Channel 4654, 4656
 ANE, British Isles, Severn Estuary 4654, 4656
 ANW, USA, Connecticut 3713
 ANW, USA, Delaware 3711
 Argentina, Parana R. 6590
 ASE, Ligurian Sea 6971
 ASW, USA, Louisiana 12666
 N, Bering Sea 9033
 SE, California Gulf 4664
 SW 10227
 Nigeria, Kainji L. 12667
Gastropoda 9586
Lepomis cyanellus 13183
Opsanus tau 10654
Turbidity currents,
 2395
 ANW, USA, New York, Long Island Sound 11382
 SE, Mexico 3765
Turbulence,
 3758, 3764, 5872, 6997, 7974, 8958, 8970, 8971, 9041,
 12640, 12660, 12685, 12686
 America, Ontario L. 12585, 12642
 ANE, British Isles, Lyme Bay 11293
 ANW, Gulf Stream 12661, 13378
 ASW, Yucatan Channel 7997
 ENE, USA, Oregon 11375
 ASW, Bengal Bay 12658
 USA, Wisconsin, Fox R. 7711
Excirolana chiltoni 10772
Hexactinellida 12806
Turtles,
 Fisheries: ASW, Caribbean 811
Typhoons,
 ANW, Japan, Kyushu 12691
Ultrastructure,
 10362
Acanthoecae: ANE, Denmark, Isefjord 7107
Acetabularia mediterranea 7110
Acinetobacter 9104
Agnatha 7326
Algae 5966
Ambystoma 8428
Anchoa 8345
Anemonia sulcata 3868
Anguilla anguilla 10547
Annelida 8139, 9179
Antithamnion 11478
Arbacia punctulata 11558
Armadillidium nasutum 6154
Artemia salina 2703
Arthropoda 6166
Astrea rugosa 4939
Aulacantha scolymantha 7158
Bacillariophyceae: Canada, Ontario L. 5982
Bacteria 11441
Balanus eburneus 11664
Biomphalaria glabrata 8211
Botryllus schlosseri 8477
Branchiostoma californiense 8424
Callinectes sapidus 8256
Cambarus 10500
Carassius carassius 5027
Carcinus maenas 6165, 10501
Catostomus commersoni 5023
Caulerpa 9143
Chelydra serpentina 8427, 11837
Chlamydomonas 7079
Chlorophyceae 11508
Chordata 13086
Chrysophyceae 11472
Cinetochilum margaritaceum 4827
Circolana borealis 6132
Cnidaria 12793
Coelastrum microporum 5972
Coelastrum reticulatum 5972
Cohnilembus verminus 4825
Colpoda maupasi 8147
Colpoda steinii 8153
Copepoda 4779
Coregonus clupeaformis 10577
Cyanophyceae 3848, 7103
Cyclidiopsis acus 4831
Cyclotella 9128
Cyclotella nana 11476
Cylindrocapsa geminella 8109
Cyprinidae 9353, 10601
Daphnia magna 12886
Dicymenaea californica 9185, 9658
Dinophyceae 10313
Echiniscoides sigismundi 4821
Echinoidea 10410
Endodinium 4776
Eptatretus burgeri 2853, 8333
Equula equula 6364
Erycymba buccata 6221
Erpobdella 8188
Eucampia balaustium 4775
Euglena gracilis 7098, 7100, 7159, 11528
Flagellata 5314
Frittschiella tuberosa 7109
Fucus vesiculosus 11490
Gadus morhua 9372
Gastropoda 4889
Gloeochaete wittrockiana 8106
Gloeomonas simulans 9140
Glossogobius giuris 6267
Gurleya chironomi 4832
Gyrodactylus eucaliae 8158
Heliophrya erhardi 8150
Henneguya 4828
Homarus americanus 9282
Hydra 9653
Hydrolimax grisea 4845
Hymenolepis microstoma 3865
Ictalurus punctatus 7261
Isohypsiobius augusti 10372
Jaera nordmanni 10741
Kofoidinium 4826
Lacrymaria olor 2565

- Lampetra fluviatilis* 8355
Lanice conchilega 11552
Latimeria chalumnae 6209
Lepisosteus oculatus 4003
Lepomis cyanellus 7262
Lethocerus 2740
Limulus polyphemus 10514
Lymnaea stagnalis 2647
Mallomonas trummensis: Sweden, Trummen L. 8101
Marisa cornuarietis 11640
Monodon monoceros 8454
Munida irrasa 2670
Mytilus californianus 11610
Mytilus galloprovincialis 8200
Myxine glutinosa 5025, 8369, 8393, 9348
Myxophyceae 2490, 11508
Nassula 7139
Navicula ostrearia 12754
Nectophrynoides occidentalis 9493
Nerophis lumbriciformis 10596
Nitrosococcus mobilis: ANE, Germany, F.R., Husum Harbour 11445
Nitzschia delicatissima 11476
Nudibranchia: ASE, Naples Gulf 4891
Nymphula nymphaea 9327
Oncorhynchus gorboscha 13059
Oryzias latipes 4004, 12990
Palaeomon paucidens 10475
Palaemonetes 8257
Parafavella denticulata 9172
Parastichopus tremulus 2550
Pavlova 11481
Pisces 13036
Podolampas: ASE, Mediterranean 7105
Poecilia latipinna 2764, 10549
Pogonophora 3899
Polystoma integerrimum 6028
Pomacentrus leucostictus 10555
Pseudomonas 12728
Pylaiella littoralis 11503
Rana 8425
Rana temporaria 2861
Rhabdopleura compacta 11833
Rhodopseudomonas sphaeroides 11446
Salmo 6200
Salmo gairdneri 8381
Salmonidea 10575
Scenedesmus 10341
Scylliorhinus canicula 5022, 8372
Simuliidae 12928
Skeletonema costatum 7108
Skeneidae 8198
Skeneopsidae 8198
Sphaeroplea chapmanii 4770
Spirodela oligorrhiza 9902
Spirostomum ambiguum 8166
Suberites massa 7142
Synechocystis didemni 10316
Tachypleus gigas 6149
Teleostei 5045
Tetrahymena pyriformis 7456, 8160
Thais lapillus 3362
Thalassiosira minuscula 11476
Thunnus thynnus 10622
Tilapia grahami 6352
Tilapia mossambica 10548
Torpedo 10626
Trichiurus lepturus 12962
Trochidae 8198
Uca pugnax 6167
Ulva lactuca 12748
Vibrio psychroerythrus 11443
Virus cyanophage AS-1M 8607
Xenopus laevis 8461, 9479
Cilia: *Ophrydium versatile* 169
Cytology: *Arcella vulgaris* 2546
Digestive system: *Cryptosula pallasiana* 1347
Morphology (organisms): *Mastogloia*: ISE, Tahiti 2507
Nerves: *Artemia salina* 1425
Nervous system: *Penaeus japonicus* 1451
Otoliths: *Pleuronectes platessa* 1506
Pancreas: *Limanda limanda* 1502
Parasites: *Collinia orchestiae* *Orchestia gammarellus* 3022
Photoreceptors: *Trichocera rattus* 1352
Spermatogenesis: *Ikedosome gogoshimense* 1370
Viral diseases: *Thalpi arvense* 1295
Ultrastructure 62 Histochemistry,
Digestive system: *Biocera tuediae* 1363
Ultraviolet radiation,
5925, 8952, 8973, 9847
Algae: ISEW, Malaysia 11526
Anacystis nidulans 5990
Arbacia punctulata 11558
Chaetoceros simplex 4785
Gloeocapsa alpicola 11515
Oncorhynchus nerka: INE, Canada 13164
Pagophilus groenlandicus: ANW 13841
Penaeus duorarum 9592
Underwater exploitation,
11428
World ocean 5742
Crassostrea virginica: ASW, USA, Florida 10260
Research vessels: INE, USA, California, San Diego Bay 109
Underwater exploration,
2307, 2429, 5807, 5808, 5812, 5830, 7955, 8942, 8952, 8960, 11288
ANE, Germany, F.R., Helgoland 6964
ANE, Norway, Eidfjord 4714
ASE, Africa 7059
ASW, Bahama Is 8961
USA 3641
Collecting devices 1116
Underwater photography,
3683, 4638, 5940, 8959
I, Pacific 13129
INW 4650
INW, Japan, Sagami Bay 1890
ISE, Cook Is., Rarotonga 7057
ISEW 4637

- Hydrozoa*: ASW, Bahama Is. 5373
Pisces: ASW, Bahama Is. 5373
 Benthic zone 455
 Biocoenoses 455, 2309, 1890
- Underwater research vessels,**
 2307, 6957, 7955, 8944, 8948, 8949, 11288
 ANE, Baltic, Luebeck Bay 10137
 ANE, Germany, F.R., Helgoland 6964
 ASW, Bahama Is 8961
 2312
 Economics 1126, 2310
 Pressure effects: USA 37
 Water pressure: USA 37
- Underwater television,**
 5807, 5808, 8952, 8958
Eupomacentrus planifrons 10764
- Upwelling,**
 2394, 10205, 11358, 12631, 12653
 America, Ontario L. 12628
 AN 11377
 ANE, Baltic 9044
 ASE 7012
 ASE, Africa 2348, 7580
 ASE, Ivory Coast 10914
 ASE, Mauritania 8954
 ASE, Mauritania, Cap Blanc 1912
 ASE, Morocco 12579
 ASE, North-West Africa 4659, 7970
 ASE, Spain, Castellon 12664
 ASE, Spanish West Africa 4679
 ASE, Western Sahara 8954, 9688
 ASW, Brazil 3753
 ASW, Caribbean 3755
 IN, Aleutian Is., Samalga Pass 11381
 INE, California current 12683
 INE, USA, California 9808
 INE, USA, Oregon 11375, 11379, 12587
 IS, Pacific 3132
 ISE 2331, 2385, 2386, 3134
 ISE, Peru 2323, 3105, 3107, 6988, 7527, 7580, 7581, 9794
 ISE, Peru Current 2392
 ISEW, Java 7053
 ISEW, Taiwan 10156
 ISW, Banda Sea 8058
 ISW, India 3760
 PN 12603
 PSE, Balleny Isl. 3103
Cetacea 13341
Pinnipedia 13341
 Ecosystems: ASE, Canary Current 450
 Exploratory fishing: ASE, Mauritania 2146
 1182
 Seasonal variations: ASW, Mexico Gulf 1922
- Uranium,**
 8694
 ASW, Caribbean 12616
Scenedesmus quadricauda 10330
- Urine,**
Pisces 13060
- Vanadium,**
 9014
- Vegetation cover,**
 4697
 ANW, Hudson Bay, East Pen Isl. Salt Marshes 8495
 Finland, Kuusamo, Kangerjoki 8912
 Malawi, Chilwa L. 3146
 Sardinia, Olbia 7569
Algae: ASE, France, Bassin d'Arcachon 11855
Algae: Hong Kong, Plover Cove Reservoir 2492
Angiospermae: ASE, France, Bassin d'Arcachon 11855
Bacillariophyta: Iceland 5344
Geochelone gigantea: ISW, Aldabra Atoll 9798, 9799
Invertebrata: USA, Iowa 9797
Littorelletea: Iceland 2489
Littorelletea: Norway 2489
Podostemum ceratophyllum: USA, Georgia, Yellow R. 8488
Salicornia: ASW, USA, Texas, Mustang Island 7199
 Environmental effects: Malawi, Chilwa L. 1929
- Venom apparatus,**
Sebastes: INE, USA, California 10138
Sebastes auriculatus: INE, USA, California 10138
- Vertebrae counts,**
Fundulus majalis 9578
Hydrophiidae 10666
Muraenidae 7254
- Vertical distribution,**
 2365, 4214, 10225
 AN 12064
 ANW, Canada, St. Lawrence Estuary 11391
 ASW, Brazil 4186
 British Isles, Tay R. 7991
 ISW, Banda Sea 8058
 Italy, Lungo Lagoon 11367
 Japan, Hokkaido, Inland waters 10956
 USA, Washington, Sammamish L. 13371
Algae 13370
Algae: ASW, Netherlands Antilles, Curacao 7559
Asterionella formosa 13353
Astropecten aranciatus: ASE, Mediterranean, Sardinia 11910
Bacteria: Poland, Kortowskie L. 2949
Bacteria: USA, Minnesota, Arco L. 5330
Bivalvia: PSE, New Zealand I. Terr., South I. 10750
Bryophyta: New Zealand 9539
Bryozoa: PSW, Arauco G., Chivilingo 2945
Calanoida: ISE 3058
Cephalopoda 2941
Cephalopoda: INW, Japan 13140
Ceratium: INW, Japan 12734
Chaetognatha: ISE 3058
Cichlidae: Malawi, Malawi L. 7839
Ciliata: ASE, Black Sea 11920
Copepoda: INW, Japan, Oshoro Bay 7522
Crustacea: Finland, Kymijoki R., Lakes 10465
Cyclops scutifer: Norway 9274
Decapoda: ISW, Mascarene Is., Reunion I. 6844
Diastylis rathkei: ANE, Germany, F.R., Kiel Bay 11896
Elasmobranchii: ASE, Canary Is. 13539

- Engraulis ringens*: ISE, Peru 11784
Euphausiacea: ASE, North-West-Africa 13150
Euphausiacea: PSW, South Georgia 6442
Evadne nordmanni: ANE, Irish Sea 2938
Gonostomatidae: ANE 10542
Harpacticoida: ISW, Aqaba Gulf 11545
Hyperiidæ: ASE, Canary Is. 7388
Macrorhamphosidae: ANE 10542
Merluccius merluccius: ASE, Tunisia 7487
Myctophidae: ANE 10542
Mytilus galloprovincialis: ASE, Black Sea 11885
Nerita plicata 12839
Notropis: USA, Wisconsin, Roxbury Creek 12141
Oithona: USA, Georgia, Wilmington-Skidaway estuary 7536
Oligocottus 8499
Ophichthus zophochir: INE, USA, California 13145
Pandalus platyceros: INE, USA, Washington 5666
Peridinium cinctum: Israel, Kinneret L. 8660
Pinnotheres maculatus: ANW, USA, New York, Montauk 13410
Pisces: ANE, Norwegian Basin 11727
Pisces: Czechoslovakia, Bohemia 9545
Rana pretiosa: America 6344
Sagitta nagea: INW, Japan, Suruga Bay 7517
Salmo: USA, West Virginia, Spruce Knob Lake 5667
Scomberesox saurus: AN 9719
Spiochaetopterus costarum: ASE, Mediterranean 5203
Stizostedion vitreum 9583
Thais 13185
 Environmental effects: *Bacteria*: Japan, Biwa L. 348
 Phosphates: ASE, Mediterranean 1919
 Primary production: ASE, Mediterranean 1919
 Rearing: *Crassostrea gigas*: ANE, Germany, Fed. Rep. 2131
 Rearing: *Mytilus edulis*: ANE, Germany, Fed. Rep. 2131
 Temperature: INE, USA, Oregon 1163
- Vertical migrations,**
Algae 6438, 10937
Chaetognatha: INW, Japan, Suruga Bay 7517
Crangon crangon 9554
Crustacea: ASE, Canary Is. 10735
Cyclopoida: IS, North Equatorial Current 2932
Cyclopoida: ISEW, Sulu Sea 2932
Cyphocaris anonyx: ASE, Canary Is. 7387
Cyphocaris challengerii: ASE, Canary Is. 7387
Daphnia pulex 8186
Euchaeta marina: ISE 2933
Evadne nordmanni: ANE, Irish Sea 2938
Hyperiidæ: ASE, Canary Is. 7388
Mallotus villosus: PNW, Barents Sea 11898
Mysis relicta 8285
Ostracoda 2929
Parathemisto japonica: INW, Okhotsk Sea 10736
Pisces: ASE, Canary Is. 10735
Pseudocalanus elongatus: ASE, Black Sea 2935
Sagitta enflata: INW, Japan 10737
Sebastes: PNW, Barents Sea 11898
- Vessels,**
 5510
 Germany, F.R. 9055
- Viral diseases,**
Anacystis nidulans 12011
Callinectes sapidus: ANW, USA, Virginia, Chincoteague Bay 12003
Crassostrea angulata 11997
Crassostrea gigas: ISEW, Hong Kong 6125
Ctenopharyngodon idella 2999
Esox lucius 6506
Gadus morhua 13293
Herpesvirus salmonis 3005
Osteichthyes 1786
Pisces 3003
Plectonema boryanum 13308
Rana temporaria 6507
Salmo 11055
Salmo aguabonita 9647
Salmo gairdneri 3005, 5596, 9647, 12005
Salvelinus fontinalis 1178, 12004
Synechococcus cedrorum 12011
Vertebrata 5282
 Fishery products: *Vibrio parahaemolyticus* 1055
 Larvae: *Cnephia mutata*: Canada, Newfoundland 404
- Viruses,**
 4290, 7069, 11039, 12165
Anguilla vulgaris: ANE, Baltic 8586
Carcinus maenas 10988
Cryptomonas: INE, USA, Washington 9663
Cyprinus carpio 6506
Hymenomonas carterae: INE, USA, Washington 9663
IPN virus 12004
Microsomonas pusilla: INE, USA, Washington 9663
Xenopus laevis 4752
 Environmental effects 115
 Sewage: INE, USA, California 661
- Vision,**
Ambystoma mexicanum 6375
Anableps anableps 8416
Bufo bufo 5221
Carassius auratus 10756
Daphnia 8295
Esox lucius 6240
Histioteuthis dofleini 7181
Hydromantes italicus 13198
Lethocerus 2740
Limulus polyphemus 12726
Loligo pealei 12726
Notosudidae 8354
Phoca largha 13115
Rana esculenta 8473
Salmo gairdneri 11947
Teleostei: ASW, Brazil 8358
Zalophus californianus 6363
 Air-water interface: *Barbus conchionius* 1688
 Analytical techniques: *Chelonia* 1265
 Pigments: *Pisces* 1576
 Sea water 1157
- Vitamin deficiencies,**
Anguilla anguilla 8417, 10838
Salmo gairdneri 8417
Salmonidae 6486
Scophthalmus maximus 7443

- Vitamins,**
Algae 13879
Bacteria 8666
Bacteria: ASE, Mediterranean 10840
Cyanophyceae 10357
Penaeus japonicus 13738
Salmo salar
 Biosynthesis: *Bacteria* 1729
- Viviparity,**
Oculospinus brevis: ASE, Genoa Gulf 3986
Poecilia reticulata 2812
- Vocal behaviour,**
Bufo americanus 1693
Cetacea 1580
Geocrinia 8544
Hyla 13197
Hyla meridionalis 11941
Kassina: Southern Africa 8547
Leptodactylus 8549
Litoria: Australia, Victoria 13338
Rana 10789
Rana ridibunda 4123
Trichopsis vittatus 11924
Triturus alpestris 10788
 Bioacoustics: *Ocypode cordimana* 365
- Vorticity,**
 ASW, Florida Current 2401
- Waste disposal,**
 3162, 3246, 3250, 3319, 3320, 3322, 3323, 4335, 6733,
 6756, 7726, 9918, 12272
 ANE, North Sea 3173
 ANW, USA 4338, 4339
 ASW, USA, Georgia 5517, 5519
 ASW, USA, Texas 3344
 INE, Puget Sound 6672
 INE, USA, California 5509, 6749, 12197
 INE, USA, Oregon, Netarts Bay 4378
 ISE, Hawaii 3170
 ISE, USA, California 6770
 ISEW, Hong Kong 3171
 Israel 3228
 USA 9868, 9956
 USA, Coasts 3170
Pisces 6719
 Mathematical models: ANW, USA, New York Bight 595
 Ocean dumping: ANW, USA, Middle Atlantic
 Bight 4337
 Oil spills: USA 681
 Ships: USA 715
 1012
- Waste heat,**
Daphnia cucullata: USSR, Konakovskaya Station 9695
- Waste water,**
 4282, 5510, 6640, 6729, 7735, 8722, 8725, 8782, 8783,
 8784, 9830, 9833, 9834, 10705, 11030, 11041, 11173,
 13220
 ANE, Solent 9846
 ANW, USA, Maryland, Patuxent R. 7680
 Brazil, Sao Paulo State 9917
 Germany, F.R. 4570
- INE, USA, California 12197
 USA, Arizona, Phoenix, Salt R. 11052
 USA, North Carolina 4377
Dinoflagellata 12389
Salmonella: Czechoslovakia, Danube R. 9666
 Canning: *Penaeus*: ASW, Mexico Gulf 2191
 Canning: *Penaeus*: ASW, USA 2191
 Chromatographic techniques 2313
 Pollutants: INE, USA, California 1954
 Resource management: USA, Texas 2873
 River discharge: Europe, Geneva L. 3165
 Ships: USA 715
 7632
 Water analysis (chemical) 2313
 Water resources 713
- Watching,**
Salvelinus fontinalis 13180
- Water analysis,**
 4616, 8001, 12575
- Water analysis (biological),**
 3217, 3218, 7069, 7590, 10262, 13423
 ANE, British Isles 6974
 ANE, Germany, F.R., Eider estuary 7746
 ASE, Morocco 12579
 Germany, D.R., Saale R. 10165
 Germany, Fed.Rep., Weser R. 5514
 INW, Japan 4255
 ISW, India, Nagapattiran 13464
 Italy, Faro L. 11346
 Tunisia, Tunis L. 12131
 USA, North Carolina, Neuse R. 13441
Bacteria: ANW, USA, North Carolina 10921
Bacteria: South Africa, Rietuli Reservoir 10271
Bacteriophages 13418
Dinophyceae: INW, Japan, Fukuyama 9533
Escherichia coli 8074, 13418
Escherichia coli: ASE, Trieste Gulf 9097
Fungi: USA, Wisconsin, Winnebago L. 2469
Selenastrum capricornutum 10289
Shigella 9109
Shigella sonnei: ASE, Trieste Gulf 9097
Sporobolomyces: France, Lorraine, Inland waters 8086
Sporocytophaga cauliformis 1276, 1277
Virus 6632
 Community composition: *Candida*: USSR,
 Ukraine 1899
 Microbial contamination 3180
 Microorganisms: ASE, Morocco, Agadir 507
 Reservoirs: USA, Kentucky, Kentucky Reservoir 588
- Water analysis (chemical),**
 2303, 2346, 2354, 2365, 2370, 2372, 2376, 2415, 2416,
 3118, 3185, 3186, 3187, 3188, 3189, 3190, 3191, 3194,
 3200, 3201, 3208, 3213, 3214, 3663, 3664, 3665, 3666,
 3667, 3668, 3669, 3670, 3671, 3696, 3736, 3737, 3745,
 4203, 4283, 4284, 4615, 4617, 4618, 4619, 4620, 4621,
 4622, 4623, 4625, 4627, 4628, 4629, 4631, 4632, 4633,
 4642, 4643, 4644, 4670, 5450, 5840, 5841, 5846, 5861,
 6637, 6965, 6968, 6970, 6979, 6980, 7050, 7051, 7590,
 7943, 7944, 7945, 7946, 7948, 7950, 7961, 7965, 7968,
 7985, 7988, 7989, 7992, 8013, 8682, 8694, 8700, 8701,

- 8709, 8710, 8711, 8712, 8713, 8980, 8981, 8982, 9004,
9009, 9043, 9818, 9830, 10142, 10145, 10255, 10952,
11022, 11298, 11299, 11301, 11306, 11307, 11308, 11310,
11312, 11328, 11331, 11345, 11347, 11348, 11356, 11360,
12567, 12568, 12569, 12571, 12574, 12606, 12615, 13125,
13424
- America, Erie L. 9010
- ANE, Baltic 12185
- ANE, Belgium, Ostend 5913
- ANE, British Isles, Liverpool Bay 11350
- ANE, British Isles, Southampton Water 3347
- ANE, British Isles, Thames Estuary 6652
- ANE, Germany, F.R., Eider estuary 7746
- ANE, Netherlands, Wadden Sea 10175
- ANE, Norway, Lindaspollene 3277
- Antarctica, Bonney L. 12610.
- ANW 10171, 11361, 11363
- ANW, Atlantic 7986
- ANW, Canada, Iles-de-la-Madeleine 7972
- ANW, Canada, Nova Scotia 7964
- ANW, Chesapeake Bay 9841
- ANW, St. Lawrence Estuary 11362
- ANW, St. Lawrence Gulf 12620
- ANW, USA, Delaware 8690
- ANW, USA, Massachusetts 3740
- Argentina, Santa Fe, R. Parana 6350
- ASE 2371
- ASE, Black Sea 5862, 10154
- ASE, Egypt, Arab Rep., Alexandria 7776
- ASE, Greece, Saronikos Gulf 3280
- ASE, Mediterranean 3227
- ASW, Caribbean 12616
- ASW, Grand Cayman 13375
- ASW, USA 9866
- ASW, USA, Texas 3702
- Australia, Mulwala L. 10217
- Australia, New South Wales 2437
- Australia, New South Wales, inland waters 10161
- British Isles, England, Frome R. 5856
- British Isles, Northern Ireland, Lough Neagh 4245
- British Isles, Tay R. 8059
- British Isles, Wales, Ogof Ffynnon Ddu 2379
- Canada, British Columbia 3730
- Canada, Ontario, Inland waters 8678
- Ethiopia, Inland waters 4286
- Finland, Inland waters 12621
- Germany, D.R., Erzgebirge 3734
- Germany, F.R., Elbe R. 9831
- Germany, Fed. Rep., Weser R. 5513
- I, Pacific 5478, 5479
- India, Dharwar, inland waters 10704
- INE 2302, 2369
- INE, USA, California 9019, 13494
- INE, USA, Washington 13227
- INW, Japan 13414
- ISE 2352
- ISE, Pacific 7987
- ISEW, Taiwan 10156
- ISW, Aqaba Gulf 11369
- ISW, India 3739, 4320
- ISW, India, Goa 10170
- ISW, India, Gujarat 11045
- ISW, India, Trombay 3193, 3207
- Italy, Venice L. 3163
- Japan, Hiroshima, Ashida R. 9855
- Khmer Rep., Mekong R. 2361
- MED 12572
- Netherlands, Maas R. 12203
- Netherlands, Rhine R. 12203
- Netherlands, Tienhoven 12609
- Netherlands, Vechten L. 12608
- Poland, Inland waters 6569
- Poland, Kortowskie L. 6614, 11364, 11365, 11366
- Poland, Mikolajskie L. 5863
- Poland, Smolak L. 6593
- Poland, Starodworskie L. 6638
- PS, Antarctica 5855
- PSE, Australia, New South Wales 10161
- St. Vincent 7592
- Surinam 5536
- Sweden 5864
- USA, California 3744
- USA, California, La Jolla 11018
- USA, Colorado 4277, 4278
- USA, Delaware, Murderkill R. 6761
- USA, Florida, Hillsborough County L. 5866
- USA, Florida, Inland waters 8060
- USA, Iowa, Inland waters 7006
- USA, Maine 2364
- USA, Minnesota, Inland waters 8794
- USA, New Hampshire, Inland waters 5865
- USA, North Dakota, Oahe L. 6990
- USA, South Dakota, Oahe L. 6990
- USA, Washington, Long L. 5933
- USA, West Virginia, Bluestone Dam 12087
- USA, West Virginia, Monongahela R. basin 11322
- USA, Wisconsin 3254
- USA, Wisconsin, Wingra L. 8680
- World Oceans 9007
- Algae: USA, West Virginia 11495
- Algae: USA, West Virginia, Smith's Run 11456
- Daphnia 10469
- Mopalia muscosa 8247
- Ranunculus penicillatus: British Isles, Lee R. 8114
- Thiobacillus: ANE, Kiel Fjord 2480
- Carbohydrates 1167
- Carbon 62
- Chemical pollutants: ASE, Morocco, Agadir 507
- Fluoride 63
- Hydrology: Austria, Danube R. 2358
- Iron 1115
- Lakes 62
- Limnology: *Phragmites communis*: Germany, Fed. Rep.,
Bodensee, Gnadensee 66
- Methodology 62, 63, 1114, 2301
- Phosphorus: Switzerland, Rhone R. 2356
- Reviews 1129
- Seasonal variations: Austria, Woerthersee 2359
- Seasonal variations: INE, Canada, British
Columbia 1166
- Sediment analysis: ISE, Polynesia 69
3197, 3198, 7963

Water analysis (physical): ASW, Puerto Rico, Cano
Corazon 441

Water analysis (physical),

2340, 6635, 6925, 11425, 13614

ANE, British Isles 5482

ANW, Canada, Iles-de-la-Madeleine 7972

ASE, Egypt, Arab Rep., Alexandria 7775

ASW, USA, Texas 3702

ISW, India 3739

Netherlands, Tienhoven 12609

Poland, Mikolajskie L. 5863

Surinam 5536

USA, Washington, Long L. 5933

Water circulation,

2389, 3751, 3762, 5868, 5869, 5870, 5875, 8904, 9036,
9052, 10094, 11332, 11378, 12623, 12624, 12625, 12634,
12645, 12646, 12647, 12651, 12652, 12653, 12660, 12662

A, Atlantic 7020, 11386

America, Michigan L. 4342

America, Ontario L. 12583

AN 12590

ANE, Baltic 9044

ANE, British Isles, Tay R. 7999, 8042

ANE, Cabot Strait 4681

ANE, North Sea 5873, 9042

ANW, Canada, Newfoundland 2342, 2398

ANW, Canada, Quebec 7971

ANW, Canada, St. Lawrence Estuary 11391

ANW, Cape Cod Bay 9040

ANW, Chesapeake Bay 3771

ANW, Delaware Bay 5799

ANW, Gulf Stream 7014, 12661

ANW, Narragansett Bay 9037

ANW, USA 3769

ANW, USA, Massachusetts 3747, 9928

ANW, USA, New York, Long Island Sound 11376

ANW, USA, Rhode Island 11126, 11127

ANW, USA, Rhode Island, Charlestown Pond 11128

AS, Atlantic Equatorial Undercurrent 7021

AS, North Equatorial Current 11372

AS, South Equatorial Current 11372

ASE 7012, 12637

ASE, Adriatic 9034

ASE, Africa 2348

ASE, Guinea Gulf 10179

ASE, Mediterranean 12663

ASE, Spain, Galicia 12665

ASE, Spanish West Africa 4679

ASW, Atlantic 7995, 7996

ASW, Brazil 7994

ASW, Caribbean 3754

ASW, USA, Louisiana 12666

British Isles, Tay R. 7991, 7999

Canada, Ontario L., Hamilton Harbour 10181

I, Pacific 4677

INE, California Current 3761

INE, Puget Sound 6672

INE, USA, Alaska, Prince William Sound 3749

INE, USA, Oregon 11379

INE, USA, Washington, Duwamish R. 8993, 8994, 9005

INW, Kuroshio Current 9038

ISE, Peru 12644

ISEW, Coral Sea, South Tropical Counter Current 7009

ISEW, Ellice Is., Funafuti Atoll 2351

ISEW, Guam, Tuanmokat Channel 4405

ISW 6787, 10227

ISW, Australia, South Australian Gulf System 7008

ISW, Bengal Bay 10182

ISW, Malagasy Rep., Nosy-Be 7525

ISW, Red Sea 5847

PS, Ross Sea 3767

PSE, New Zealand 7044

PSE, Tasman Sea 9046

PSW, Atlantic-Indian Basin 7010

USA, Ontario L. 3773

USA, Superior L. 3773

USA, Wisconsin, Mondeaux Flowage 7769

World oceans 10185

World polar regions 6961

Eunicella cavolinii 9178

Hydrography: PSW, Weddell Sea 1178
1182

Water colour,

Etheostoma: USA, Oklahoma 10835

Water conservation,

5454

ASE, Black Sea 7573

Europe, Wadden Sea 9961

Mexico, Oaxaca Valley 8809

USA, Alaska, Barrow 93

USSR, inland waters 5548

USSR, Ukraine 7573

Water density,

9017, 9018

ASW, Cayman Trench 6985

ASW, Puerto Rico Trench 6985

Currents: ANE, Baltic 1190

Water depth,

12559

Water hardness,

5462

Poland, Kortowskie L. 11364

USA, Alabama 3731

USA, Mississippi 3731

Algae: British Isles, England 9730

Algae: USA, West Virginia, Smith's Run 11456

Homo sapiens: Papua New Guinea, Wogupmeri
R. 10873

Water level,

6976

Africa, inland waters 11401

America, Amazon R. 6595

America, Great Lakes 2404

ANE, British Isles, Tay R. 7999

ANE, Germany F.R. 8006

ANE, Germany, F.R., Elbe estuary 8004

ANW, USA, New York, Jamaica Bay 3783

Argentina, Santa Fe, R. Parana 6350

Austria, Danube R. 2358

British Isles, Tay R. 7999

Malawi, Chilwa L. 3146

PNW, Barents Sea 11389
 PNW, White Sea 11389
 Poland, Rega R. 10257
 USA, Pennsylvania, Conowingo Pond 13508
Anas: USA, Colorado, Inland waters 11912
 Seasonal variations: New Zealand, Wakatipu L. 1199

Water levels,

America, Michigan L. 10190
 ANW, USA, North Carolina 3786
 ASW, USA, Florida 3785

Water management,

5423, 5930, 5931, 6927, 6936, 7749, 8704, 8810, 12710, 13125
 ASW, USA, Texas 710
 ASW, USA, Texas, Corpus Christi Bay 711
 British Isles, South Downs 2439
 Czechoslovakia 6914
 Germany, D.R. 6762, 8705
 Germany, D.R., Halle-Merseburg 7620
 Germany, F.R., Main R. 3674
 Germany, F.R., Wahnbach Reservoir 3813
 Guatemala 4393
 Poland 8707
 USA 3631, 7750
 USA, Georgia, Atlanta 4414
 USA, Texas 3633
 USA, Utah 3181
 USSR, Inland waters 5548
 Computer applications: USA 2004
 Pollution control: USA 2004
 Research programmes: USA 716
 Water resources: USA 2004

Water masses,

12634, 12656
 ANE, Greenland 6986
 ANW, Labrador Current 4682
 ASE 10180
 ASE, Spain, Galicia 12665
 ASW 10180
 ISEW 10180
 ISW 10180, 11373, 11392
 PSW, Africa 9550
Diatomae: PSW, Argentine Basin 7368
 Annual variations: ASW, Yucatan Channel 1173
 Geographical distribution: World Ocean 1187
 Production (biological): ASW, Mexico Gulf 1922
 Salinity: ASW, Mexico Gulf 1922
 Salinity: ASW, Yucatan Channel 1173
 Seasonal variations: ASW, Mexico Gulf 1922
 Seasonal variations: ASW, Yucatan Channel 1173
 Water circulation: World Ocean 1187
 Water mixing: ASW, Mexico Gulf 1922
 Water temperature: ASW, Mexico Gulf 1922

Water mixing,

2365, 2382, 2389, 3748, 3757, 3758, 3764, 5327, 6997, 9041, 10178, 10203
 ANE, Baltic 7005
 ANE, Bristol Channel, Severn Estuary 11130
 ANE, Cabot Strait 4681
 ANE, English Channel 4196

ANW, Gulf Stream 5331, 7013, 7014
 ANW, USA, Maryland, Potomac estuary 9085
 ASE, Lyon Gulf 6992
 ASE, Mediterranean 12663
 ASE, Venice Lagoon, Dese R. 11388
 ASW, Atlantic 7996
 ASW, Caribbean 3755
 ASW, Venezuela 5880
 British Isles, England, Beaulieu Estuary 9851
 Canada, Ontario L., Hamilton Harbour 10181
 I, Pacific 4677
 INE, USA, Alaska, Prince William Sound 3749
 INW, Korea Strait 5879
 ISEW, Ellice Is., Funafuti Atoll 2351
 ISW 11392
 PNE, Canada, Masset Inlet 4690
 PSW, Atlantic-Indian Basin 7010
 PSW, Scotia Sea 3778
 USA, Maine, Back R. 3229
Euchaeta japonica 10837
 Mathematical models: ANE, English Channel 82
 Thermal stratification: ANW, USA, Massachusetts, Nahant Bay 80

Water pollution,

3696, 4297, 4346, 5452, 8724, 12182
 ANE, Bristol Channel, Severn Estuary 11007
 ANW, USA, North Carolina, Pamlico R. 7041
 ASE, Mediterranean 4265
 British Isles, Hertfordshire, Stevenage 8924
 INE, USA, California, San Pedro Bay 4322
 USA, Ohio 4327
 Detergents: *Salmo gairdneri* 509
 Dispersion: ANW, USA, New York Bight 595
 Estuaries 3164
 Hydrodynamics: ASW, USA, Texas 491
 Indicator organisms: USA, South Carolina 706
 Indicator organisms: *Protozoa*: ANW, USA, New Hampshire 1684
 Mathematical models: ANW, USA, New York Bight 595
 Pollution control 3335
 Pollution control: USA, South Carolina 706
 Predictions: USA, South Carolina 582
 3605
 Water analysis (biological): *Saprolegnia* 556

Water pressure,

5837, 8987
 ASW, Bermuda 12597
 I, Pacific 12596
 IN 12613
 INE 2341
 INW 4649
Arenicola marina 12785
Asterias rubens 11914
Coregonus lavaretus: Europe, Constance L. 5593
Ostrea edulis 9552
Poecilia latipinna 6316

Water quality,

3314, 3317, 3694, 3695, 4281, 4379, 5454, 5761, 5786, 9101, 9817, 9818, 9821, 9871, 10172, 10254, 10255, 11042, 11172, 12201, 12277, 12282, 13492, 13495, 13601, 13603

America, Michigan L. 3333
 ANE, British Isles, Liverpool Bay 11350
 ANE, British Isles, Scotland 12339
 ANW, USA, Massachusetts 3795
 ANW, USA, New York, Jamaica Bay 3768
 ANW, USA, New York, Jamaica Bay, Rockaway
 Inlet 12267
 ASE, Venice Lagoon, Dese R. 11388
 ASW, USA, Texas 3702
 ASW, USA, Texas, Corpus Christi Bay 711
 Austria, Danube R. 2463
 British Isles, Hertfordshire 4291
 British Isles, Wales 8054
 Canada, British Columbia, Lower Fraser R. 708
 Europe, EEC 4571
 Europe, Geneva L. 2438
 Finland, Inland waters 12621
 Germany, D.R. 8705
 Germany, D.R., Halle-Merseburg 7620
 Germany, F.R., Nordrhein-Westfalen 9169
 Germany, Fed.Rep., Weser R. 5513, 5514
 NE, USA, California 6646
 NE, USA, California, Alamitos Bay 8778
 NE, USA, Washington 6740
 NW, Japan 13496
 St.Vincent 7592
 Switzerland, Rhone R. 2438
 USA, California 3744, 4264, 4332
 USA, California, Lopez Reservoir 4422
 USA, California, Sacramento R. 11122
 USA, Colorado 4277, 4278
 USA, Georgia 11008
 USA, Illinois 8702
 USA, Minnesota, Marcell Experimental Forest 7979
 USA, Nebraska, Missouri R. 8014
 USA, New England 7393
 USA, New Jersey, Passaic R. 3698
 USA, Oklahoma, Inland waters 4401
 USA, Oregon, Willamette R. basin 3703
 USA, Tennessee, Pigeon R. 4340
 USA, Utah 3181
 USA, Utah, Tahoe L. 12276
 USA, West Virginia, Inland waters 11321
 USA, West Virginia, Monongahela R.basin 11322
 USA, Wisconsin 3254
 USSR, Inland waters 5511
 World waters 7734
Aeromonas 9103
Anguilla anguilla 8837
Bacteria 4738
Bacteria: ANE, British Isles, Scotland, Tay Basin 13411
Chilomonas oblonga: Germany, D.R., Halle 11866
Cryptomonas rosstratiformis: Germany, D.R.,
 Halle 11866
Escherichia coli: ANE, Germany, F.R., Weser estuary 1
Escherichia coli: ANW, USA, Chesapeake Bay, Rhode
 R. 12171
Ictalurus punctatus 11079
Plumatella fungosa 8767
Salmonella: Germany, Fed.Rep., Braunschweig 6623
Salmonidae 4102

Artificial aeration 3331, 3332
 Benthos: Germany, Fed.Rep., Mettma R. 718
 Boats: USA, Florida, Orange County 593
 Dissolved materials: Papua New Guinea 2360
 Dissolved oxygen 3040
 Dissolved oxygen: ANE, British Isles, Northern Ireland,
 Foyle Estuary 699
 Growing ponds: *Ictalurus punctatus*: USA,
 Alabama 907
 Lakes: USA, Florida, Orange County 593
 2298
 Mathematical models: ASW, USA, Texas, Corpus Christi
 Bay 711
 Microbial contamination 3040
 Pollution control 1943
 Pollution monitoring: ANE, British Isles, Northern
 Ireland, Foyle Estuary 699
 Research programmes: USA 716
 Reservoirs: *Algae*: USA, Maryland, Baltimore 2011
 Resource management: America, Michigan L. 2012
 Standardization 61
 Surveys: *Pisces*: USA, Virginia, New R. 962
 Thermal pollution 3331, 3332

Water quality control,
 USA, Miching, St.Joseph R. 6634

Water resources,
 6917, 6919, 6953, 7749, 10242, 10243, 12710, 13507
 ANW, USA, Virginia 11138
 Canada 3825
 Germany, F.R., Bavaria 8067
 Guatemala 4393
 Hawaii 4415
 Israel 3228
 Nigeria 10241
 Poland, Rega R. 10257
 USA 4266, 6963, 7770
 USA, California 4332, 11423
 USA, Idaho, Salmon R. 7773
 USA, Michigan 2441
 USA, Nebraska 4576
 USA, North Carolina 3630
 USA, Pennsylvania, Muddy Run 13508
 USA, Texas 3633, 3816
 USA, Virginia, Smith Mountain Reservoir 13509
 USSR, Inland waters 5548
 Education: USA 2040
 Operations research 707
 Precipitations (atmospheric): USA, Alaska, Barrow 93
 Public health 590
 Research programmes: USA 716
 Resource development: Australia 1248
 Resource development: USA 1247
 Resource development: USA, Alaska, Barrow 93
 Resource management: Japan, Biwa L. 1099
 Waste disposal: ASW, USA, Texas 710
 Waste water 714
 Waste water: ASW, USA, Texas 710

Water sampling,
 5836, 8699, 9909, 12570

Germany, Fed.Rep., Rhine R. 5842

MED 12572

Microorganisms: *Saprolegnia* 556

Water sheds,

INE, Canada, British Columbia, Vancouver I. 5892

Water temperature,

3721, 6397, 7037, 8825, 8905, 8987, 10251, 11298, 11299, 11300, 11301, 11430, 12601, 13422, 13555, 13657

Africa, Tanganyika L. 3701

America, Erie L. 8997, 9510

America, Ontario L. 12583, 12585, 12588, 12642

AN 9000

ANE, Cabot Strait 4681

ANE, France 2061

ANE, Norway 2335, 11353, 11354, 11355

ANE, Norwegian Basin 11374, 11397

ANW, Anticosti Channel 4663

ANW, Beauge Bank 4663

ANW, Canada 2343

ANW, Canada, Newfoundland 2342

ANW, Canada, Newfoundland Ridge 2397

ANW, Canada, Quebec 7971

ANW, Gulf Stream 12627

ANW, Jacques Cartier Strait 4663

ANW, USA, Maryland 1150

ANW, USA, Maryland, Chesapeake Bay 11280

ANW, USA, Massachusetts 9842

ANW, USA, New York 3725

AS 6996

ASE, Adriatic 2325

ASE, Africa 9002

ASE, Africa, northwest coast 12325

ASE, Biscay Bay 2061

ASE, France, Bages-Sigean 4726

ASE, France, Banyuls-sur-mer 4698

ASE, Gambia 8996

ASE, Guinea Gulf 10150

ASE, Lyon Gulf 4694

ASE, Mauritania, Cap Blanc 1142

ASE, Mediterranean 2333

ASW, Bermuda 12597

ASW, Brazil 9001

ASW, Cayman Trench 6985

ASW, Puerto Rico Trench 6985

Atmosphere 10204

British Isles, England, Yorkshire, River Tees 4723

Canada, St.Laurent R. 2334

Gambia, Banjul R. 8996

I, Pacific 12596

IN 12586, 12613

INE 2341

INE, Howe Sound 2326, 2327, 2328, 2329

INE, USA, California 5852

INE, USA, Oregon 11216, 12587

INW 4649

INW, Korea Rep., East Coast 2338

INW, Korea Rep., Korean Peninsula 2390

INW, Tsushima Current 2338, 2390

IS, Pacific 12584

ISE, Peru 2323, 12644

ISEW, Hong Kong, Deep Bay 12582

ISEW, Taiwan 10156, 10157

ISW 10227

ISW, Glorieuses Is. 5893

ISW, Persian Gulf 4661

ISW, Red Sea 5847

PN 12603

PNW, Barents Sea 5342, 5365, 11316, 11397

PSE 4666

PSE, Kerguelen Isl. 9003

PSE, New Zealand, White Is. 9511

Uganda, Lake George 4234

USA, Ohio, Columbus 7065

USA, Susquehanna R. 6620

USA, Virginia, Smith Mountain Reservoir 13509

World ocean 3628

World oceans 2400, 10204

World polar regions 6961

Algae: USA, Beartooth Mountains 8529

Echinaster modestus 8184

Glossogobius giuris: India, inland waters 11794

Gobiosoma ginsburgi 10742

Haliclona loosanoffi: ANW, USA, Connecticut, Mystic

R. Estuary 9198

Homo sapiens: ANE, North Sea 12566

Katsuwonus pelamis 9444

Mallotus villosus: ANE, Norway, Vardo 11728

Oncorhynchus kisutch 13012

Tetraclita squamosa: ISW, Aqaba Gulf 9569

Trematomus borchgrevinkii: PS, Antarctic Ocean 7313

Annual variations: ASW, Campeche Bank 1156

Atmospheric conditions: IN 58

Atmospheric conditions: INW, Kuroshio Current 58

Growth rate: *Salmo gairdneri* 2121

Horizontal distribution: ASW, Campeche Bank 1156

Horizontal distribution: I, Pacific 85

Horizontal distribution: IN 1151

Larvae: *Mercenaria mercenaria* 629

Mathematical models: ANE, English Channel 82

Numerical analysis 10148, 2444

Parasitology: *Schistosoma*: South Africa, Verwoerd

Dam 725

Predictions: AN 59

Seasonal variations: ASW, Campeche Bank 1156

Seasonal variations: *Calamus bajonado*: ASW, Campeche

Bank 2177

Tolerance: *Mercenaria mercenaria* 629

Vertical distribution: ASW, Campeche Bank 1156

Water treatment,

6729, 6818, 7735, 8784

Bacteria 12269

Waste water 880

Water quality 880

Water types,

Australia, New South Wales - Victoria, Genoa R. 10218

Water waves,

3774, 3776, 5839, 7062, 9052, 10193, 10196, 10197,

10198, 11394

ANW, USA, Virginia, Delmarva Peninsula 9932

ANW, USA, Virginia, Wachapreague Inlet 9027

ASW, USA, Texas 6748

I, Pacific 9050

- INE, USA, Oregon, Newport 10191
 ISE, Hawaii 3784
 ISEW, Taiwan, Taichung Harbour 10192
 ISW, Agulhas Current 11390
 PSE, Australia, New South Wales 4686
 World ocean 8007
Algae: ANE, Finland, Aaland archipelago 9938
Cladophora: ANE, Finland, Aaland archipelago 9939
Nuttallina californica 8243
Polyplacophora: INE, USA, California, Monterey Peninsula 8195
 Hydrodynamics 1198
Watersheds,
 3815
 Africa 4722
 Canada, British Columbia, Brunette basin 12202
 USA, New England 7763
Wave forecasting,
 Radar 48
Wave forecasting,
 3782
Wave gauge,
 3782, 5828, 8975, 8976
 ISW, Agulhas Current 11390
Wave period,
 11394
Wave recorders,
 INE, USA, California, Torrey Pines Beach 12693
Waves,
 5833, 11431, 12646, 12647, 12672, 12674, 13574
 INE, USA, California, Torrey Pines Beach 12693
 INW 12676
 INW, Japan, Kyushu 12691
Weather conditions,
 5819, 6977, 12690
 ANE, Norwegian Basin 11397
 INE 1216
 Norway, Svalbard 10206
 PNW, Barents Sea 11397
 USA, Colorado 4314
 Temperature 1218
 Water temperature 1188
Weather forecasting,
 ISE, Hawaii 12688
Weeds,
 USA, Florida 4411
Pistia stratiotes 13516
 Biological control: *Eichhornia crassipes*: USA 2026
 Biological control: *Eichhornia crassipes*: USA, Florida 4419
 Biological control: *Rhizictonia solani*: Panama, Canal Zone 2027
 Food composition: *Ctenopharyngodon idella* 2035
 Fungal diseases: *Eichhornia crassipes*: USA, Florida 4419
 Plant control: *Alternanthera philoxeroides*: USA, Florida 2027
 Plant control: *Eichhornia crassipes*: USA 2026
 Plant control: *Eichhornia crassipes*: USA, Florida 2027, 4419
 5419
 Plant control: *Hydrilla verticillata*: USA, Florida 2027
 Plant control: *Myriophyllum spicatum*: USA, Florida 2027
Whaling,
 13064
 ANE, Norway 804
 Australia, Western Australia, Cheyne's Beach Whaling Stn. 13530
Cetacea: ANE 9970
Cetacea: INW, Japan, Inland Sea 5099
Cetacea: USSR 4036
Stenella coeruleoalba: INW, Japan 13838
Whaling statistics,
 PS, Antarctica 5640
 PSW, South Africa 4505
 World oceans 3376, 5639
Odontoceti: ISW, India 13784
Phocoena phocoena: ANE 13156
Phocoenoides: INW 13312
Winches,
 4456, 5837
Wind-driven currents,
 2394, 3748, 3764, 10203, 10205, 12630, 12641, 12675
 A, Atlantic 11386
 America, Great Lakes 5878
 AN 11377, 11393
 ANE, Baltic 9044
 ANE, North Sea 7017
 ASW, Mexico Gulf 3756
 IN 5885
 INE, USA, Oregon 11375
 ISEW, Java, Sunda Shelf 7019
 ISW 7015
 PN, Arctic 12648
 USA, Minnesota, Minnetonka L., Halstead Bay 11904
 Current measurements: JNW, Korea Rep. 1179
 Geographical distribution: *Chaetognatha*: ASE, Trieste Gulf 1657
Wind waves,
 3748, 5887, 5888
 PSE, Australia, New South Wales 7023
 Air-water interface 1202
 Navigation: PSW, South Africa 88
 Storms: ANE, Germany, F.R., Elbe R. estuary 1196
Winds,
 10203, 11431, 12692
 America, Great Lakes 12689
 ANE 4685
 ANE, Hanoe Bight 13782
 ASE, Africa 2348
 ASE, Mediterranean 3794
 ASW, USA, Louisiana, Caminda Bay 9047
 IN 12586
 INE, California current 12683
 INW, Japan, Kyushu 12691
 IS, Pacific 12584
 ISE, Hawaii 3784

ISE, Peru 12644
 PN 12544
 Currents: IS, Equatorial Counter Current 91

X-rays,

3663, 4642
Bacteria 11441
Limnodrilus hoffmeisteri 8163
Orchestia gammarellus 11685
Pacifastacus trowbridgii 9317
Pleurodeles waltlii 7339
Tradescantia 5993
 Avoidance behaviour: *Callianassa californiensis* 372

Yield,

10054, 12457
 ASE, Balearic Sea 13858
Anguilla anguilla: Germany, Fed.Rep 13777
Coregonus clupeaformis: America, Great Lakes 11249
Engraulis ringens: ISE, Peru 2162
Gracilaria 12387
Gracilaria edulis 11193
Hypnea musciformis 12387
Katsuwonus pelamis: ASE 12420
Lepomis macrochirus 10054
Merluccius capensis: PSW, South African Coast 11248
Merluccius hubbsi: PSW, Argentina 12322
Merluccius merluccius: ASE, Biscay Bay 13768
Merluccius paradoxus: PSW, South African Coast 11248
Mytilus edulis: ANE, British Isles, Menai Straits 13741
Oncorhynchus kisutch: INE, Puget Sound 2104
Sebastes marinus: ANW 12453
Thunnus alalunga: A, Atlantic 3453
Thunnus alalunga: AN 3472
Thunnus alalunga: ANE 3452
Trachyrhynchus scabrus: ASE, Alboran Sea 7840

Yield predictions,

Balaenoptera acutorostrata: PS 13832
Balaenoptera borealis: PS 13831
Oncorhynchus: INE, USA, Alaska 10034
Oncorhynchus: USA, Alaska 10034
Physeter catodon: World Oceans 13829
Thunnus alalunga: A, Atlantic 13861
 Environmental factors: *Pisces*: AN 59

Zinc,

11324
 ANE, Netherlands, Wadden Sea 10175
 ASE, France, Marseille 7671
 British Isles, England, Beaulieu Estuary 9851
Carassius auratus 6649
Chironomus plumosus: Italy, Maggiore L. 6654
Chlorella fusca 13229
Cladophora: ASE, France, Etang de l'Olivier 4674
Haplochromis burtoni: Italy, Maggiore L. 6654
Mytilus californianus: INE, USA, Oregon 5466
Nodularia spumigena 8096
Physa acuta: ASE, France, Etang de l'Olivier 4674
Salmo gairdneri 13474
Sphaeroma hookeri: ASE, France, Etang de l'Olivier 4674

Food chains: *Orconectes limosus* 1934
 Pollution effects: *Algae* 637
 Pollution effects: *Crassostrea gigas* 3297

Zirconium,

3188

Zoogeography,

6387

ASW, Mexico Gulf 6429
 ISE, Mexico 6429
Amphibia 6419
Cypraeidae: ASE, Mediterranean 7377
Mollusca: ASE 7375
Pisces: New Zealand 6399
Polyplacophora: ASE, Mediterranean 7376

Zooplankton,

2929, 2983, 6563, 10907, 10916, 10925, 11005, 12055,
 12074, 12209, 13403
 Africa, Rudolf L. 9760
 America, Michigan L. 6556
 ANE, Baltic 9395, 9758, 19831
 ANE, Baltic, Darsser Boddenkette 8628
 ANE, Germany D.R. 9759
 ANE, Kiel Bight 9685
 ANE, North Sea 9810
 ANE, Norway 3083, 8731, 12065, 13347
 ANE, Norwegian Basin 5340
 ANW 12053
 ANW, Georges Bank 12081
 ANW, Gulf Stream 5331
 ANW, Labrador Current 4201
 ANW, Maine Gulf 12081
 ANW, St. Lawrence estuary 9690
 ASE 7526
 ASE, Adriatic 9689
 ASE, Aegean 4197
 ASE, Africa 7528
 ASE, Black Sea 6560
 ASE, France, Fos Gulf 12077
 ASW 4181, 8637
 ASW, Brazil 4186
 ASW, Caribbean 4182, 12616
 ASW, USA, Florida 9691
 ASW, Venezuela 4183
 British Isles, Ewe L. 9787
 INE, Alaska, Traitors Cove 9698
 INW, Bering Sea 7508
 INW, Japan Sea 7508
 INW, Japan, Suruga Bay 7517
 INW, Okhotsk Sea 7508
 INW, USSR, Sakhalin 9701
 IS, North Equatorial Current 2933
 ISE 3057, 3058, 3135
 ISE, Hawaii, Kaneohe Bay 3086
 ISE, Peru 3116
 ISEW 7538
 ISEW, Great Barrier Reef, Heron Reef 10926
 ISW 12154
 ISW, Bangladesh, Bay of Bengal 7512
 ISW, Bengal Bay, Visakhapatnam 1867
 ISW, India, Goa 9710
 ISW, India, Kerala 9709

- W, Persian Gulf 5351
 Netherlands, Tjeukemeer L. 13348
 Netherlands, Vechten L. 13348
 Netherlands, Veere L. 3077
 Pakistan, Kinjher L. 13358
 Poland, Inland waters 6569
 Poland, Smolak L. 6568
 A 6556
 A, Idaho, Salmon Falls Creek Reservoir 13701
 A, New Hampshire, Stonehouse Pond 13349
 SR, Inland waters 7383
 SR, Konakovskaya Station 9695
psa pseudoharengus: USA, Michigan L., Green Bay 13267
lanioidea: Bangladesh, Kinjher L. 9714
adocera 10908
adocera: ASW, Caribbean 7509
adocera: ASW, Puerto Rico Trench 7509
adocera: Sweden 6571
idaria: ASW, USA, Mississippi Sound 7531
pepoda 10908
pepoda: ASW, Caribbean 7509
pepoda: ASW, Puerto Rico Trench 7509
pepoda: PSE, Southern Ocean 10911
pepoda: PSW 10911
ustacea: America, Erie L. 9708
ustacea: America, Michigan L. 4205
ustacea: ASE, Ivory Coast 10914
ustacea: ASE, Western Sahara 9688
ustacea: USA, West Virginia, Moncove Lake 5348
omacea: ASE, Ivory Coast 10915
raminifera: ASW, Venezuela 13366
mmaridea: ASE, Canary Is. 7387
rpacticoida: ANE, Baltic 9682
gopsida: ISW 4191
corhynchus tshawytscha: USA, Oregon, Columbia R. 13265
ca flavescens: USA, New York, Oneida L. 10822
ychaeta: ISW, Malagasy Rep., Nosy-Be 7525
stifera 10908
 undance: ANE, Norway 1881
 undance: ASE, France, Marseille 3082
 undance: ASE, Greece 1876
 imilation 1862
 omass: ANE, Wadden Sea, Sylt 3072
 omass: ASE, Ionian Sea 1846
 mmunity composition: ISEW, Bonin Is. 1860
 mmunity composition: *Crustacea*: USA, North Dakota, Oahe L. 7540
 ntrolled conditions 1252, 1970
 itures: *Bosmina longirostris* 1888
 itures: *Chydorus sphaericus* 1888
 itures: *Cyclops bicuspidatus thomasi* 1888
 2457
 vironmental effects: ASE, Greece 1876
 vironmental effects: ISEW, Bonin Is. 1860
 eretion 1862
 s: INE, Canada, British Columbia, Saanich Inlet 238
 eding behaviour 1971
 eding mechanisms: *Algae* 382
 ographical distribution: ASE, Aegean 1872
 Habitat: USA, New Hampshire, Mirror L. 3084
 Indicator organisms: ASE, Sicily 439
 Laboratory equipment 112
 Metals 1971
 Nutrient cycles: IN, Pacific central gyre 485
 Oxygen consumption 3074
 PCB: INE 1979
 Phosphorus 1862
 Ponds 448
 Population density: *Copepoda*: ASE, Tunisia 1875
 2879
 Rearing 112
 Respiration 3074
 Salinity effects: Netherlands 1863
 Seasonal variations: ASE, Aegean 1872
 Secondary production: PNW, White Sea 1858
 Trophic levels 1889
 Vertical distribution: PN 2939



- A. barenicola pacifica*,
 Detritus feeders 6498
 Feeding 6498
 Metabolism 6498
- A. bedus herberti*,
 Genetics 11716
 Moulting 4134
 Mutations 11716
 Respiration 4134
- A. bra alba*,
 Benthos: ANE, Baltic 9783
 Demersal fisheries: ANE, Baltic 9783
 Food chains: ANE, Baltic 9783
 Production (biological): ANE, Baltic 9783
- A. bra ovata*,
 Molds 8133
- A. braliopsis pfefferi*,
 New records: ASW, USA, Florida 11870
- A. bramis brama*,
 Fish culture: USSR, Volga Delta 11175
 Food composition: Sweden, Drottningholm, Malaren L. 12038
 Molds 10893
 Molds: Sweden, Drottningholm, Malaren L. 12038
 Population parameters: ASE, Azov Sea 12041
 Proteins 5671
- A. budeduf starcki*,
 Geographical distribution: INW, Japan 8505
 Geographical distribution: ISEW, Coral Sea 8505
- A. byssotrema pritchardae*,
 New species Abyssal zone: AN 1355
- A. lepocephalus*: Symbiosis 1355
- A. canthamoeba*,
 Environmental factors 5184
- A. canthamoeba castellanii*,
 Locomotion 9237
 Proteins 9237
 Temperature effects 9237
- A. cantharia*,
 Abundance: A, Atlantic 4195
 Population dynamics: A, Atlantic 4195
 Seasonal variations: A, Atlantic 4195
- A. canthaspidia laevis*,
 New species 1436
- A. canthaster*,
 Coral reefs 7555
- A. canthaster planci*,
 Abundance: ISEW, Great Barrier Reef 9734
 Annual variations: ISEW, Great Barrier Reef 7561
 Chemoreception 10843
 Coral reefs 10268, 10779
 Feeding behaviour 10843
 Geographical distribution: ISEW, Great Barrier Reef 7561
 Metabolic rate 13437
 Nutritional requirements 10779
 Olfaction 10779
 Population density: ISEW, Great Barrier Reef 9735
- Population dynamics: ISEW, Great Barrier Reef 7561, 9734
 Predation: ISEW, Great Barrier Reef 6580
 Predator control 7561
 Predators: ISEW, Great Barrier Reef 13510
 Stimuli 10779
 Temperature effects 13437
 Temperature effects: ISEW, Guam 13498
 Temperature tolerance 13437
- Acanthephyra*,
 Eggs 9300
 Fats 9300
 Metabolism 9300
 Pigments 9300
- Acanthina spirata*,
 Embryos 12853
 Reproduction 12853
- Acanthocephala*,
 Parasites New records: ASW, USA, Alabama 407
 Parasitic diseases Fish culture 1774
- Acanthocephalus*,
 Parasites: Turkey, Munzur Stream 7467
- Acanthocephalus tahlequahensis*,
 New species: USA, Oklahoma 6037
 Parasites: USA, Oklahoma 6037
- Acanthodii*,
 Check lists 8915
 Fossils 8915
 Taxonomy 8915
- Acanthoecae*,
 New species: ANE, Denmark, Isefjord 7107
 Taxonomy: ANE, Denmark, Isefjord 7107
 Ultrastructure: ANE, Denmark, Isefjord 7107
- Acanthomolgus*,
 Biogeography: ASW, West Indies 6131
 Keys: ASW, West Indies 6131
 New species: ASW, Netherlands Antilles 6131
- Acanthopagrus bifasciatus*,
 Taxonomy: ISW, Arabian Sea 7155
- Acanthopagrus schlegeli*,
 Feeding behaviour 5269
 Stomach contents: Japan, Seto Sea 5269
- Acanthopterygii*,
 Keys: ISW, Red Sea 10544
 Morphology: ISW, Red Sea 10544
 Taxonomy: ISW, Red Sea 10544
- Acanthosentis acanthuri*,
 Morphology: ASW, Tobago 1356
- Acanthosentis dattai*,
 Morphology (organisms): India, Delhi, Inland waters 13286
 Parasites: India, Delhi, Inland waters 13286
- Acanthosquilla derijardi*,
 Morphology (organisms) 2897
 New records: ISW, Aqaba Gulf 2897
- Acartia bowmani*,
 New species: ISW, India, Cochin Backwaters 6142

***Acartia californiensis*,**

New species: INE, USA, California 12892

***Acartia centrura*,**Geographical distribution New records: ASE,
Mediterranean 1655Morphology (organisms): ISW, India, Cochlin
Backwaters 6142***Acartia clausi*,**

Development Temperature effects 1456

Ecosystems 13258

Feeding 13258

Feeding behaviour 2982, 10762

Feeding mechanisms 10845

Filter feeders 10845

Food composition 10845, 13258

Food organisms 2982

Grazing 13258

Mathematical models 10845

Starvation 13356

Temperature effects Life cycle 1456

***Acartia enzoi*,**

New species: ASE, Italy 3961

New species: ASE, Mediterranean 1433

***Acartia josephinae*,**

New species: ASE, Italy 3961

New species: ASE, Mediterranean 1433

***Acartia negligens*,**

Food composition: ISW, Israel 6605

***Acartia tonsa*,**

Controlled conditions 13456

Diurnal rhythm 2981

Fecundity 7399

Insecticides 13456

Lethal limits 13456

Tolerance 13456

Myoschiston centropagidarum: Parasites: ANE, Baltic
Sea, Schlei Fjord 3013***Acartiidae*,**

Geographical distribution: ASE, Italy 3961

Pollution effects: ASE, Italy 3961

***Acartiura*,**

Morphology (organisms) 9285

Taxonomy 9285

***Acartiura jillettei*,**

New species 9285

***Acartiura lefevreae*,**

New species 9285

***Acartiura omorii*,**

New species 9285

***Acartiura teclae*,**

New species 9285

***Acartiura tranteri*,**

New species 9285

***Acellus intermedius*,**

Electron microscopy 4949

Histology 4949

Pancreas 4949

***Acerina cernua*,**

Artificial fecundation 7280

Oogenesis 7280

***Acetabularia*,**

Biochemistry 12764

Biological rhythms 12764

Enzymes 4799

Morphology 10304

Photosynthesis 12764

Photosynthetic pigments 4799

***Acetabularia crenulata*,**

Morphology (organisms) 10318

Taxonomy 10318

***Acetabularia farlowii*,**

Morphology (organisms) 10318

Taxonomy 10318

***Acetabularia haemmerlingi*,**

Biogeography 4773

New species: ISEW, Solomon Is. 4773

***Acetabularia mediterranea*,**

Biochemistry 8115, 9148, 12777

Biometrics: ASE, Naples Gulf 12749

Carbohydrates 9148

Circadian rhythm 10355, 12763, 12777

Cytology 7110, 8113

Enzymes 8113

Gametogenesis 7110

Growth regulators 8115

Life cycle 7110

Light effects 4800, 10355

Meiosis Cell division 141

Metabolism 9148

Morphology (organisms): ASE, Naples Gulf 12749

Nitrogen 9154

Photosynthesis 4800, 8115, 12763, 12777

Photosynthetic pigments 8115

Population studies: ASE, Naples Gulf 12749

Spectroscopic techniques 8113

Temperature effects 12763, 12777

Ultrastructure 7110

***Acetabulariaceae*,**

Morphology (organisms) 10317

Taxonomy 10317

***Acetes chinensis*,**Development: INW, Korea Rep., Central West
Coast 2702

Growth rate: INW, Korea Rep., West Coast 2977

Reproductive organs: INW, Korea Rep., Central West
Coast 2702Sexual dimorphism: INW, Korea Rep., Central West
Coast 2702***Acetes orientalis*,**

New species: ISW, India, Goa 8261

***Achenoglanis occidentalis*,**

Fish culture: Ivory Coast, Bouake 10013

Stocking density: Ivory Coast, Bouake 10013

***Achirus linneatus*,**

Morphology: ASW, Cuba 7266

- chlya*,
 Enzymes 11452, 11453
 Nucleic acids 11452
 Proteins 11453
chlya ambisexualis,
 Antibiotics 9107
 Biochemistry 9107
 NA 9107
chlya flagellata,
 Parasites 8590
chlya papillosa,
 Temperature effects 4747
chlya spiracaulis,
 Morphology (organisms): Iceland 4747
Chnantes hauckiana,
 Morphology (organisms) 1308
 Taxonomy 1308
Chnantes mamchyi,
 New species: Hong Kong 12742
Chromobacter,
 Pollution effects: Japan, Ichikawa R. 2467
Chtheres micropteri,
 New records: America, Erie L. 8604
 Parasites 8604
Cilius fraternus dismalus,
 Geographical distribution: USA, North Carolina 12927
 Geographical distribution: USA, Virginia 12927
 New species: USA, Virginia 12927
 Taxonomy: USA, North Carolina 12927
Cinetobacter,
 New species 9104
 Nutrients (mineral) 9104
 Odiments 9104
 Ultrastructure 9104
Cinetospora,
 Morphology 4778
 Taxonomy 4778
Acipenser,
 Hatching methods Rearing: USSR, Caspian Sea 2126
 Food availability: USSR, Inland waters 12349
 Growth rate: USA, California, Sacramento R. 7859
 Introduced species 13665
 Larvae: USSR, Inland waters 12349
 Mortality causes: USSR, Inland waters 12349
 Spawning: USA, California, Sacramento R. 7859
 Stock assessment: USA, California, Sacramento R. 7859
 Stocking 13665
Acipenser fulvescens,
 Islands 8329
 Histology 8329
Acipenser gueldenstaedti,
 Development 13014
 Electron microscopy 6231
 Fish eggs 6231
 Hormones 13010
 Ions 13014
 Osmoregulation 6334
 Pollution effects 9880
 Spawning 13010
 Stress 13010
Acipenser ruthenus,
 Anatomy 11752
 Cells 11752
 Freshwater aquaculture: USSR, Volga R. 8835
 Hybrids 11752
 Hybrids: USSR, Volga R. 8835
 Nervous system Brain 1526
 Pituitary gland 11752
Acipenser stellatus,
 Hormones 6310, 6311
 Immunology 5091
 Serological studies 5091
Acipenser transmontanus,
 Fisheries data: USA, Idaho, Snake R. 13857
Acipenseridae,
 Anadromous migrations 343
 Antibiotics: USSR, Inland waters 10586
 Artificial spawning 12375
 Biochemistry 12375
 Cytology 12986
 Development 12986
 Eggs 8864
 Embryology: USSR, Inland waters 10586
 Fishery products 8864
 Hormones 13011
 Meiosis 12986
 Nervous system 13011
 Pesticides 11056
 Phosphorus 11056
 Physiology 12375
 Reproduction: USSR, Dniester R. 7745
 Secretory products 13011
 Sexual reproduction 7278
 Temperature effects: USSR, Inland waters 10586
Acmaea,
 Avoidance behaviour 9814
 Olfaction 9814
Acmaea limatula,
 Acclimation 6121
 Growth: INE, USA, California 5490
 Pollution effects: INE, USA, California 5490
 Population structure: INE, USA, California 5489
 Population studies: INE, USA, California 5490
 Temperature effects 6121
Acmaea testudinalis,
 Aquariology Methodology 1253
Acocela,
 Interstitial environment: ANE, North Sea, Sylt Isl. 3875
 Morphology (organisms): ANE, North Sea, Sylt Isl. 3875
 New species: ANE, North Sea, Sylt Isl. 3875
Acritarcha,
 Marl: Belgium, Gelinden 8635
Acrochaetium,

Development 7119
 Growth 7119
 Light effects 7119, 10752

Acrochordidae,

Respiration 5215

Acrochordus granulatus,

Heart Circulatory system 1586

Acrocirrus aciculigerus,

New species: PSE, Australia 9191

Acroneuria,

New species: Nearctic Region 11713

Reviews: Nearctic Region 11713

Taxonomy: Nearctic Region 11713

Acronsorium uncinatum,

New records: ANW, USA, North Carolina 10714

Acropora cervicornis,

Biochemistry 12826

Calcium 12826

Ion transport 12826

Light effects 12826

Acropora formosa,

Immunology 13374

Introduced species 13374

Population genetics 13374

Acropora palmata,

Ecology: ASW, Netherlands Antilles 13373

Environmental effects: ASW, Netherlands

Antilles 13373

Acropora pulchra,

Coral reefs 8647

Acrorhynchides styliiferus,

New species: ANE, British Isles 1366

Acrosymphyton purpuriferum,

Life cycle 2488

Spores 2488

Actabularia haemmerlingi,

New species 5979

Taxonomy 5979

Actacarus,

Keys: ASE, France, Banyuls-sur-mer 4835

Actacarus monniotae,

New species: ASE, France, Banyuls-sur-mer 4835

Actinastrum hantzschii,

Geographical distribution: India, Jammu 2899

Habitat: India, Jammu 2899

Morphology (organisms): India, Jammu 2899

Actinia equina,

Regeneration 2589

Symbiosis 4248

Actiniaria,

Ecology 10989

Palaeontology 10989

Actinocleidus,

Parasites 3002

Actinoplanes,

Mangrove swamps Taxonomy: ISE, Hawaii, Oahu 121

Actinopterygii,

Environmental factors 9641

Feeding behaviour 9641

Juveniles 9641

Nutritional requirements 9641

Survival 9641

Actinotrichia fragilis,

Geographical distribution: ISEW, Philippines 8514

Adalia bipunctata,

Histology 3979

Adelophyton corneum,

New species: ISW, Australia, South Australia 1302

Adoncholaimus thalassophygas,

Chemical composition 9721

Aedes,

Biological control Viruses 783

Chemical control 5545

Larvae Pesticides 2028

Pest control 5545

Pest control: ANW, USA 4410

Pest control: ASW, USA 4410

Population dynamics Population parameters 3357

Aedes aegypti,

Biological control 6526

Buoyancy 8311

Diseases 6526

Gases 8311

Insecticides 8802, 9946

Larvae 8311, 9946

Toxicity 9946

Aedes caspius,

Eggs 6182

Environmental effects 6182

Physiology 6182

Aedes nigromaculis,

Insecticides Larvae 2033

Aedes sollicitans,

Breeding: ANW, USA, Delaware Bay 8652

Invertebrate larvae: ANW, USA, Delaware Bay 8652

Aedes stimulans-fitchii,

Larvae: USA, Michigan 10888

Mathematical models: USA, Michigan 10888

Ponds: USA, Michigan 10888

Population dynamics: USA, Michigan 10888

Aedes taeniorhynchus,

Osmoregulation 5006

Secretory products 5006

Aega stromi,

Distributional charts: ASE, Mediterranean 10720

Geographical distribution: ASE, Adriatic 10720

Geographical distribution: ASE, Mediterranean 10720

Parasites: ASE, Mediterranean 10720

Aeolidia papillosa,

Feeding behaviour 7411

Predation 7411

Aeolidiidae,

Hormones 4921

Reproductive organs 4921

Aeolosoma maritimum,
Interstitial environment: ISE, Galapagos 3871
New species: ISE, Galapagos 3871

Aequideus paraguayensis,
Reproductive behaviour 7416

Aeromonas,
Anaerobic respiration 9103
Bacterial diseases 7716, 9642
Culture media 5950
Disease control 5950
Eggs 9642
Life cycle 9642
Microbial contamination 9103
Ontogeny 9642
Seawage 9103
Water quality 9103

Aeromonas hydrophila,
Antibiotics 11198
Aquariology 11198
Genetics 11198
Immunology 11198

Aeromonas salmonicida,
Bacterial diseases 7465
Bacterial diseases Immunology 1753
Diseases 5284
Parasites 7465

Aeschna cyanea,
Invertebrate larvae 5005
Osmoregulation 5005

Aeschna cyanea,
Eyes 3985
Regeneration 3985

Aeschna subarctica,
New records: USA, Maine 1631

Aeschna viridis,
Geographical distribution: Germany, F.R.,
Schleswig-Holstein 9540
Nature conservation: Germany, F.R.,
Schleswig-Holstein 9540
Population density: Germany, F.R.,
Schleswig-Holstein 9540

Aesiocrinus,
Morphology (organisms) Fossils 1353

Africatenula riuruae,
New species: Kenya, Inland waters 11569
Taxonomy: Kenya, Inland waters 11569

Africonus echinophilus,
New species: ASE, Senegal 6103

Agabus,
Ecology 10986
Habitat 10986
Larvae Morphology (organisms) 1472
Reproduction 10986

Agabus freudei,
New species 2727

Agabus glazunovi,
New records 2727

Agabus guttatus,
Keys 10528
Larvae 10528

Agabus paludosus,
Keys 10529
Larvae 10529

Agapetus fuscipes,
Ecology Production (biological): Germany, Fed.Rep.,
Hessen, Breitenbach 1909

Agaricidae,
Cilia Coral reefs: A, Atlantic 8189

Agarna cumulus,
Geographical distribution: ASW, Guadeloupe 2892

Agassizocrinus lobatus,
Autecology 7597
Palaeontology 7597

Ageneiosus valenciennesi,
Length-weight relationships: Brazil, Parnaiba R. 10819

Aglaja,
Taxonomy 10429

Aglajidae,
Taxonomy 10429

Agnatha,
Photoreceptors 7326
Ultrastructure 7326

Agrammus agrammus,
Ecology: INW, Japan 10997
Habitat: INW, Japan 10997
Territorial behaviour: INW, Japan 10997

Agripis trutta,
Age determination Otoliths 1718

Agulanthura,
New species: PSW, South Africa Rep. 1426

Ahnfeltia concinna,
Chemical analysis 3856
Irradiation 3856

Ahnfeltia plicata,
Life cycle 11524

Aiptasia mutabilis,
Light effects 8536
Symbiosis 8536

Aiptasia pallida,
Poisons (biological) 8797
Stinging organs 8797

Aiptasia tagetes,
Spores 4762
Symbiosis 4762

Aipysurus,
Habitat: ISEW, Timor Sea, Ashmore Reef 4038
Morphology (organisms): ISEW, Timor Sea, Ashmore
Reef 4038

Alabetidae,
Keys: Tasmania 1650

Alcarida,

Community composition: ASE, Italy, Secche della Meloria 3956

Ecology: ASE, Italy, Secche della Meloria 3956

Alcyonidium polyomm,

Aggregations 7364, 9804

Population density 7364, 9804

Allela,

Terminology 4948

Alepisaurus ferox,

Food composition: INW, Japan, Suruga Bay 13248

Predation: INW, Japan, Suruga Bay 13248

Stomach contents: INW, Japan, Suruga Bay 13248

Alepocephalus blanfordii,

Geographical distribution New records: ISE, Hawaii 1633

Alestes baremose,

Fishery biology: Africa, Rudolf L. 11719

Fishery surveys: Africa, Rudolf L. 10027

Freshwater ecology: Africa, Rudolf L. 11719

Aleuropus litoralis,

Photosynthesis 8130

Salinity effects 8130

Algae,

Absorption 10329

Abundance 10952

Abundance: ASE, Greece 5332

Abundance: Czechoslovakia, Bratislava 8613

Abundance: Netherlands, Tienhoven 12738

Acclimation: World waters 9992

Air bubbles Ultrastructure 1321

Algal blooms: PSE, New Zealand 10292

Alkalinity 10920

Amino acids 2532, 8122

Amino acids: ANE, Iceland 10333

Amino acids Seasonal variations: ISW, Egypt, Arab Rep. 2520

Antibiotics 9150, 11523

Antimony 7681

Aquariology 5328

Aquatic communities: Uganda, Lake George 4234

Aquatic plants Tolerance: America, Erie L. 3039

Benthos 7543

Benthos: ANE, Finland, Helsinki 9900

Benthos: ANE, Finland, Ruissalo I. 9729

Benthos: ANE, Norway, Ofotfjord 9162

Benthos: ANE, USSR, Estonia 9741

Benthos: ANW, USA, Massachusetts 4207

Benthos: ASE, Adriatic 11464

Benthos: ASE, France 12099

Benthos: ASE, Mediterranean 4216, 4240

Benthos: ASE, Messina Strait, Linosa Isl. 4218

Benthos: ASE, Tyrrhenian Sea 7530

Benthos: ASW, Brazil, Atol das Rocas 9542

Benthos: INE, Canada, Squamish 12119

Bibliographic information 10285

Bibliographies 7921

Bibliographies: ANE, British Isles 5141

Bibliographies: Hungary 2487

Bioaccumulation 7593, 11097

Bioaccumulation: ANE, Menai Strait 7668

Bioaccumulation: INW, USSR, Vostok Bay 11091

Bioassays 3157

Biochemical cycle: ANE 12135

Biochemical cycle: PNW, Barents Sea 12135

Biochemistry 2540, 4729, 8131, 11195, 12722

Biochemistry: ANE, Norway, Ofotfjord 9162

Biodegradation 4303, 7599, 9796

Biogeography 7543

Biogeography: ANE, British Isles 5141

Biogeography: ANW, USA, North Carolina, Onslow Bay 4759

Biological collections: Canada, Labrador 8098

Biology: ASE, Black Sea 7542

Biomass 2982, 6478

Biomass: America, Erie L. 9707

Biomass: ANE, Finland Gulf 4204

Biomass: British Isles, England 9730

Biomass: Poland, Masurian Lakeland 6615

Biomass: Poland, Mikolajskie L. 6609

Biomass: Sweden 4204

Biosynthesis 2534

Biotope: ANE, Germany, Fed.Rep., Weser estuary 5149

Biotores: ASE, Greece 11465

Buoyancy 4757

Carbohydrates 2532, 9267

Carbon dioxide: British Isles, Inland waters 9706

Carbonates 8122

Cells 8131

Charts: INE, Canada, Gulf Isl. 13118

Check lists: ANE, British Isles, Northumberland 8091

Check lists: ASE, Angola 6402

Check lists: ASE, Greece 5332, 11465

Check lists: ASW, Brazil, Atol das Rocas 9542

Check lists: British Isles, Anglesey, Newborough Warren 8653

Check lists: Canada, British Columbia, Fraser R. 12743

Check lists: Canada, Labrador 6426, 8097

Check lists: Canada, Newfoundland, St Johns 10287

Check lists: Canada, Ontario 12740

Check lists: Hungary 2487

Check lists: India, Raichur, Yaragera L. 10300

Check lists: INW, Japan 2496, 6405

Check lists: ISE, Galapagos 6428

Check lists: ISEW, Thailand 7088

Check lists: ISW, Somali Dem.Rep., Sar Uanle 8503, 10721

Chemical analysis 8118, 9632

Chemical composition 8119, 13879

Chemical composition: ANE, Iceland 10333

Chemical pollutants 6698

Chlorophylls 3853

Chlorophylls: British Isles, England 9730

Chromatic behaviour 10937

Chromatographic techniques 4792

Chromatographic techniques: ANE, Norway, Ofotfjord 9162

Climate 6468

Coastal zone: ANE, USSR, Estonia 9741

Commercial species: World Ocean 3478

Commercial species Chemical composition: ISE, Chile 801

- Commercial species Chemical composition: PSW,
Chile 801
- Communities Lagoons: ASE, Adriatic 3098
- Community composition 12148
- Community composition: America, Erie L. 9707
- Community composition: ANE 13362
- Community composition: ANE, Finland, Ruissalo
I. 9729
- Community composition: ANW, Narragansett Bay 5337
- Community composition: ASE, Adriatic 10927, 11464
- Community composition: ASE, Greece 11465
- Community composition: ASE, Messina Strait, Linosa
Isl. 4218
- Community composition: ASW, Caribbean 12136
- Community composition: British Isles, Anglesey,
Newborough Warren 8653
- Community composition: British Isles, England 9730
- Community composition: British Isles, Inland
waters 9706
- Community composition: British Isles, Wales,
Nant-y-Moch Reservoir 11873
- Community composition: INE, USA, California 5374
- Community composition: INE, USA,
Washington 10955
- Community composition: INW, Japan 9747
- Community composition: INW, Japan, Honshu 9700
- Community composition: USA, West Virginia, Smith's
Run 11456
- Community composition New records: ANW, USA,
North Carolina 1620
- Community composition Seasonal variations: ANE,
Baltic, Puck Bay 3067
- Competition 11004
- Conferences: British Isles, Bangor 12554
- Continental shelf: ANW, USA, North Carolina, Onslow
Bay 5980
- Copper 7638
- Counters 4204
- Cultures 5321, 7440, 10920, 11087, 11195, 13749
- Currents: INW, Japan, Choshi 10286
- Cytology 5938
- Cytology Growth 2535
- Cytology Reproduction 2522
- Degradation 5419
- Dispersants: ANE, Eire 3305
- Diurnal rhythms: ANE, Spitzbergen,
Storvatnbekken 10727
- Diversity index: ANW, USA 5485
- Diversity index: British Isles, Wales, Nant-y-Moch
Reservoir 11873
- Drift organisms: ANE, Spitzbergen,
Storvatnbekken 10727
- Ecology 5321, 10284, 11004, 12148
- Ecology: ANE, British Isles 4114
- Ecology Community composition: Australia, Moruya
R. 1292
- Ecosystems 6597, 7926
- Ecosystems: India, Inland waters 6586
- Ecosystems: Sweden, Erken L. 13404
- Ecosystems: USA, Oregon, Cline's Pond 13391
- Electronic equipment 5938
- Electrophoresis Phytoplankton 438
- Environmental effects 10284
- Environmental effects: ANE, British Isles 4114
- Environmental effects: ANE, Finland, Aaland
archipelago 9938
- Environmental effects: ANW, Canada, Chaleurs
Bay 8811
- Environmental effects: British Isles, Wales, Nant-y-Moch
Reservoir 12118
- Environmental effects: INE, Canada, Squamish 12119
- Environmental factors 5181
- Environmental factors: British Isles, Wales, Nant-y-Moch
Reservoir 11873
- Environmental factors: USA, Beartooth
Mountains 8529
- Enzymes 4784, 10347, 11531
- Epiphytes 7591
- Epiphytes: ASW, USA, Florida, Anclote Estuary 2497
- Epiphytes: INW, Japan 2496
- Epiphytes Thermal pollution: Canada, Alberta, Lake
Wabamun 1988
- Eutrophic lakes 9114
- Eutrophic lakes: British Isles, England, Somerset 4658
- Eutrophic lakes: British Isles, Northern Ireland, Neagh
L. 13351
- Eutrophication 7436, 9796
- Evolution 5315
- Excretion: ASW, Bahama Is. 9779
- Excretion: PS, Antarctica 5855
- Excretory products: Canada, Ontario, Experimental
Lakes Area 9771
- Fats 2531, 2533, 8119
- Feeds 13879
- Fertilizers: Tasmania, Inland waters 10163
- Fishing gear: ANW, Canada, Chaleurs Bay 8811
- Food chains 6650, 7593, 11097
- Food organisms: India, Kanpur 8831
- Fouling organisms 4736
- Fouling organisms: ANW, Canada, Chaleurs Bay 8811
- Fouling organisms Seasonal variations: ANE,
Denmark 2046
- Fouling organisms Seasonal variations: ASE, Italy,
Genoa 2046
- Fouling organisms Seasonal variations: British Isles,
Dorset 2046
- Freshwater: Canada, Labrador 8097
- Freshwater ecology: Africa, Rudolf L. 9761
- Freshwater ecology: USA, California, Shastina L. 3726
- Freshwater ecology: USA, New England, Connecticut
River 4756
- Freshwater ecology: USA, Virginia, Chesterfield County,
Appomattox R. 12755
- Freshwater lakes: British Isles, Anglesey, Newborough
Warren 8653
- Freshwater lakes: Canada, Labrador 8098
- Gases Cytology 1321
- Genetics: USA, West Virginia 11495
- Geographical distribution 10284
- Geographical distribution: ANE 13362
- Geographical distribution: ANE, British Isles 4114
- Geographical distribution: ANW, USA, North

- Carolina 11868
 Geographical distribution: ANW, USA, South Carolina 11868
 Geographical distribution: ASE, Angola 6402
 Geographical distribution: ASE, Greece 5332, 11465
 Geographical distribution: ASW, Brazil, Atol das Rocas 9542
 Geographical distribution: India, Kanpur 4082
 Geographical distribution: INW, Japan 6405
 Geographical distribution: INW, Japan, Choshi 10286
 Geographical distribution: INW, Japan, Ibaraki Prefecture 2890
 Geographical distribution: ISEW, Thailand 7088
 Grazing 3154, 8665
 Grazing: Sweden, Erken L. 13404
 Growth 3157, 6479, 6698, 7101, 7440, 10920, 11195, 12262
 Growth: USA, West Virginia 11495
 Growth rate 6468, 6703
 Growth regulators 12388, 13749
 Growth regulators Aquatic plants 2525
 Habitat 10284
 Harvesting 2067
 Harvesting Processing fishery products: ISE, Chile 801
 Harvesting Processing fishery products: PSW, Chile 801
 Heavy metals 6703
 Heavy metals: ANE, Menai Strait 7668
 Heavy metals: INW, USSR, Vostok Bay 11091
 Herbivores: ASW, Caribbean 12136
 Horizontal distribution: ANE, Finland, Helsinki 9900
 Horizontal distribution: ANE, Germany, Fed Rep., Weser estuary 5149
 Horizontal distribution: British Isles, Wales, Nant-y-Moch Reservoir 11873
 Horizontal distribution: USA, Minnesota, Minnetonka L., Halstead Bay 11904
 Indicator organisms: ANE, Menai Strait 7668
 Indicator organisms: INW, Korea 5469
 Indicator organisms: INW, Korea Rep. 6682
 Industrial wastes: USA, West Virginia 11495
 Interstitial environment: USA, Louisiana 5380
 Intertidal environment: ANW, St. Lawrence Bay 12741
 Ion transport 8131
 Keys 10285
 Keys: Canada, British Columbia, Fraser R. 12743
 Laboratory research 4729
 Lakes Magnetism: USA, Florida 3352
 Legislation: INE, USA, Washington 2136
 Legislation: USA 2137
 Lethal limits 6698
 Light effects 2529, 7114, 8665, 10937
 Light effects: ANE, Spitzbergen, Storvatnbekken 10727
 Limnological equipment 9769
 Littoral zone: INE, Canada, Gulf Isl. 13118
 Lysis 9796
 Manuals 4729
 Marine ecology 7543
 Marine ecology: USA, Massachusetts, Cape Cod 6389
 Marshes: Finland 10283
 Mathematical models 5328, 6438, 7440
 Mercury 11097
 Metabolic rate 8118
 Metabolism 6680, 11195
 Metals Population growth 1923
 Methodology: USA, Miching, St. Joseph R. 6634
 Microorganisms 9114, 9796
 Molybdenum Nitrates 1333
 Mortality causes: Poland, Mikolajskie L. 6609
 Mortality rate: INE, USA, California 7751
 New records: ANW, USA, North Carolina, Onslow Bay 5980
 New records: British Isles, Anglesey, Newborough Warren 8653
 New records: Canada, British Columbia, Fraser R. 12743
 New records: Canada, Labrador 8097, 8098
 New records: INW, Japan 6405
 New records: ISW, Somali Dem. Rep., Sar Uanle 8503, 10721
 Nitrates 10348
 Nitrogen 7436
 Nitrogen cycle 3157
 Nitrogen cycle: USA, California 5395
 Nutrient cycles 7436
 Nutrient cycles Production (biological): PSE, New Zealand 1917
 Nutrient deficiency 8661
 Nutrients (mineral): Tasmania, Inland waters 10163
 Nutrition 7440
 Nutritional requirements 11004
 Nutritive value Analytical techniques 1262
 Oil pollution 3284, 11087, 12210, 12221, 12246
 Oil spills: ANE, Eire 3305
 Oils: INE, USA, California 9905
 Organic suspended matter Metabolites 175
 Oxygen consumption 7534, 7535
 Oxygen consumption: British Isles, Northern Ireland, Neagh L. 13351
 Palaeontology 12148
 Palaeontology: ASW, Costa Rica 4581
 Palatability: ASW, Caribbean 12136
 Parasites 8071
 Periphyton: Czechoslovakia, Danube R. 10883
 Periphyton: Hong Kong, Plover Cove Reservoir 2492
 Pesticides 4303, 6680, 6698
 Pesticides Biodegradation 1965
 pH 2534
 pH: British Isles, Inland waters 9706
 Phosphates: ANW, USA, Maryland, Rhode R. Estuary 10972
 Phosphorus cycle Ion accumulation: USA, Georgia, Sidney Lanier L. 3140
 Photochemical degradation 2530
 Photosynthesis 1326, 2530, 4234, 8123, 8657, 13370
 Photosynthesis: ANE 13362
 Photosynthesis: British Isles, Inland waters 9706
 Photosynthesis: British Isles, Wales, Nant-y-Moch Reservoir 12118
 Photosynthesis: PS, Antarctica 5855
 Photosynthesis: Tasmania, Inland waters 10163
 Photosynthesis: USA, Beartooth Mountains 8529
 Photosynthetic pigments 4792, 8118

- Photosynthetic pigments: ANE, Norway,
Ofotfjord 9162
- Physiology 4729
- Phytoplankton 10920
- Phytoplankton: British Isles, Inland waters 9706
- Phytoplankton Production (biological) 475
- Pigments 7101
- Plant control: USA 3354
- Plant control Electrolysis 3355
- Poisons (biological) 4729
- Pollutants 6680
- Pollution effects 3284, 11087, 11097, 12221, 12246,
12262
- Pollution effects: ANE, British Isles, Durham 6697
- Pollution effects: ANE, Eire 3305
- Pollution effects: ASE, Mediterranean 7702
- Pollution effects: INE, USA, California 5374, 9905
- Ponds: Czechoslovakia, Bratislava 8613
- Ponds: India, Kanpur 8831
- Population density 2982, 8071
- Population dynamics 3154
- Population dynamics: British Isles, Northern Ireland,
Neagh L. 13351
- Population dynamics: Germany, D.R., Saale R. 5303
- Population dynamics: INE, USA, Washington 10955
- Population dynamics Freshwater ecology: America, Erie
L. 3039
- Potential yield: INE, Puget Sound 2139
- Pressure effects 11531
- Primary production 1326, 5181, 8661, 10178
- Primary production: British Isles, Wales, Nant-y-Moch
Reservoir 12118
- Primary production: India, Inland waters 6586
- Primary production: INE, Canada, Squamish 12119
- Primary production: Poland, Mikolajskie L. 6591, 6609
- Primary production: USA, California 5395
- Primary production: USA, Montana, Bighorn
Lake-Yellowtail Dam 5394
- Primary production Epiphytes: USA, New York, George
L. 1908
- Primary production Freshwater ecology 1905
- Primary production Littoral zone 1907
- Primary production Phytoplankton 474
- Production (biological) 4238, 5392, 9114, 13370
- Production (biological): ANE, Isle of Man, Port
Erin 6600
- Production (biological): ANW, Narragansett Bay 5337
- Production (biological): Tasmania, Inland waters 10163
- Radioactive pollution 7681
- Radioactive pollution: INW, Korea 5469, 5470
- Radioactive pollution: INW, Korea Rep. 6682
- Red tides 6438
- Research programmes: ASE, Spain 13890
- Research programmes: ISEW, Philippines 12733
- Resource availability: World Ocean 3478
- Respiration 10178
- Respiration: ASW, Bahama Is. 9779
- Respiratory quotient 8123
- Rivers 10280
- Salinity effects 2529, 5392, 6479
- Sampling (biological) 9513, 9705
- Sampling (biological): ANW, USA 5485
- Sampling (biological): Netherlands, Tienhoven 12738
- Sea grass 7591
- Seasonal variations: ANW 12081
- Seasonal variations: ANW, Narragansett Bay 5337
- Seasonal variations: ASE, Adriatic 11464
- Seasonal variations: British Isles, England 9730
- Seasonal variations: Germany, D.R., Saale R. 5303
- Seasonal variations: Hong Kong, Plover Cove
Reservoir 2492
- Seasonal variations: INE, USA, Washington 10955
- Seasonal variations: INW, Japan, Honshu 9700
- Seasonal variations: Sweden, Erken L. 13404
- Seasonal variations: USA, California 5395
- Seasonal variations: USA, West Virginia, Smith's
Run 11456
- Sedimentology: Czechoslovakia, Slapy Reservoir 10910
- Seston 9114
- Sewage 8663
- Sewage: ANW, USA, Maryland, Patuxent R. - 7680
- Spectroscopic techniques 10329
- Spores 7114
- Stock assessment 9705
- Strontium: INW, Korea 5470
- Sublittoral zone: ANE, Isle of Man, Port Erin 6600
- Succession 5328
- Succession: ANE, Isle of Man, Port Erin 6600
- Succession: ANW, Canada, St.Margaret's Bay 13398
- Succession: ASE, Adriatic 11464
- Succession: ASE, Mediterranean 4240
- Succession: INW, Japan 9747
- Sulphur 13370
- Survival 4757, 6478
- Symbiosis 7591, 12148
- Symbiosis: ISE, California Gulf 11003
- Taxonomy: ANE, British Isles 11480
- Taxonomy: ASE, Black Sea 7542
- Taxonomy: India, Kanpur 4082
- Taxonomy: USA, Virginia, Chesterfield County,
Apponmattox R. 12755
- Temperature effects 5392, 6479, 11531
- Tides 6468
- Tides: ASE, France, Bassin d'Arcachon 11855
- Toxicants 7756
- Toxicity 6703, 12262
- Trace constituents Population growth 1923
- Tracers 12054
- Ultrastructure 5966
- Ultraviolet radiation: ISEW, Malaysia 11526
- Vegetation cover: ASE, France, Bassin
d'Arcachon 11855
- Vegetation cover: Hong Kong, Plover Cove
Reservoir 2492
- Vertical distribution 13370
- Vertical distribution: ASW, Netherlands Antilles,
Curacao 7559
- Vertical migrations 6438, 10937
- Vitamins 13879
- Water analysis (chemical): USA, West Virginia 11495
- Water analysis (chemical): USA, West Virginia, Smith's
Run 11456

- Water hardness: British Isles, England 9730
 Water hardness: USA, West Virginia, Smith's Run 11456
 Water quality Reservoirs: USA, Maryland, Baltimore 2011
 Water temperature: USA, Beartooth Mountains 8529
 Water waves: ANE, Finland, Aaland archipelago 9938
 Zinc Pollution effects 637
 Zooplankton Feeding mechanisms 382
- Algophagopsis pneumatica*,**
 New species: USA, California, King R. 2728
- Alismataceae*,**
 Histology 7096
- Allacanthocasmus varius*,**
 Parasites 8604
- Alligator mississippiensis*,**
 Diurnal rhythm 6464
 Light effects 6464
- Allocentrotus fragilis*,**
 Electron microscopy Eggs 12817
- Allocreadium fasciatus*,**
 Cells 9211
 Development 9211
 Eggs 9211
- Alloglossidium progeneticum*,**
 Taxonomy 168
- Alloglossidium renale*,**
Palaemonetes kadiakensis: New species Parasites 168
- Allogromia laticollaris*,**
 Life cycle 6022
 Reproduction 6022
- Allomyces arbuscula*,**
 Physiology 12731
 Reproduction 12731
 Sponges 12731
- Allothunnus fallai*,**
 Chemical analysis 11978
 Fats 11978
- Alopias vulpinus*,**
 Growth rate: ISW 11906
 Tagging: ISW 11906
- Alosa aestivalis*,**
 Chlorine 7695
 Polymorphism 5055
 Serological studies 5055
 Temperature tolerance 7695
- Alosa pseudoharengus*,**
 Digestion: USA, Michigan L., Green Bay 13267
 Feeding behaviour: USA, Michigan L., Green Bay 13267
 Fishways: ANW, USA 4402
 Food composition: USA, Indiana, Michigan L. 4151
 Habitat improvement: ANW, USA 4402
 Stomach contents: USA, Indiana, Michigan L. 4151
 Temperature tolerance: America, Michigan L. 13182
 Zooplankton: USA, Michigan L., Green Bay 13267
- Alosa sapidissima*,**
 Diseases: USA, Oregon, Columbia R. 13306
- Life cycle Reproduction: Canada, New Brunswick, St John R. 1540
 Mortality causes 10638
 Osmoregulation 10638
 Physiology 10638
 Salinity effects 10638
- Alpheus grahami*,**
 New species: ISE, Columbia, Malpelo Isl. 2659
- Alpheus leptochelēs*,**
 New species: ISEW, Papua New Guinea, Sepik R. Estuary 2684
- Alpheus splendidus*,**
 Autecology: ISW, India 10483
 Colour: ISW, India 10483
 Morphology (organisms): ISW, India 10483
 New records: ISW, India 10483
- Alternanthera philoxeroides*,**
 Plant control Diseases 787
 Plant control Herbicides: USA 2038
 Weeds Plant control: USA, Florida 2027
- Alteromonas luteo-violaceus*,**
 New species: ASE, Mediterranean 8083
 Taxonomy: ASE, Mediterranean 8083
- Althenia filiformis*,**
 Development: ASE, Mediterranean 7115
 Salinity effects: ASE, Mediterranean 7115
 Temperature effects: ASE, Mediterranean 7115
- Ambassis*,**
 Trash fish 13256
- Ambassis gymnocephalus*,**
 Agricultural runoff 9888
 Bioassays 9888
- Amblyrhynchus cristatus*,**
 Homing behaviour: ISE, Galapagos 6455
- Amblystegium riparium*,**
 Indicator organisms 9871
- Ambystoma*,**
 Albinism 9460
 Anatomy 9460
 Blood cells 10672
 Brain 9460
 Eyes 9460
 Keys 10672
 Larvae Regeneration 307
 Morphology (organisms) 8428
 Muscular systems 8428
 Polyploids 10672
 Ultrastructure 8428
- Ambystoma gracile*,**
 Embryology 9478
 Food composition: Canada, British Columbia 5231
 Growth rate: Canada, British Columbia 5231
 Larvae: Canada, British Columbia 5231
 Temperature tolerance 9478
- Ambystoma macrodactylum*,**
 New records: Alaska, Taku R. 9527
- Ambystoma maculatum*,**
 Enzymes 10676

- Growth 10676
 Light effects 6371
 Metamorphosis 10676
 Physiology 6371
 Salinity effects 6371
 Temperature effects 6371
- Ambystoma mexicanum*,
 Chromosomes 6372
 Genetics 6375
 Grafting 6375
 Hormones 6372
 Meiosis 6372
 Muscular system 9499
 Vision 6375
- Ambystoma tigrinum*,
 Cells 8479
 Eyes 8479
 Hypoxia 13101
 Light effects 8479
 Respiration 13101
 Stimuli 8479
- Ameira divagans*,
 Morphology: ANE, Kiel Bight 4952
 Taxonomy: ANE, Kiel Bight 4952
- Ameiridae*,
 Ecology: ASE, Mediterranean 4965
 New species: ASE, Mediterranean 4965
 Taxonomy: ASE, Mediterranean 4965
- Ameronothrus*,
 Geographical distribution: Holarctic Region 4095, 4096
 Geographical distribution Littoral zone: PSW, South Africa, Kowie R. 34
- Amia calva*,
 Flood: USA, Inland waters 11797
 Physiology: USA, Inland waters 11797
- Ammocrypta asprella*,
 New records: USA, Florida, Escambia R. 2915
- Ammodytes*,
 Fishery surveys: ANW, Greenland 3435
- Ammodytes hexapterus*,
 Juveniles: ANW 10781
 Schooling behaviour: ANW, Long Island Sound 10781
 Schooling behaviour: ANW, St. Lawrence Gulf 10781
- Ammonoidea*,
 Morphology: Spain 6099
 Taxonomy: Spain 6099
- Amnicola limosa*,
 Life cycle: USA, New York State 7390
 Migrations 7390
 Mortality 7390
- Amoeba proteus*,
 Cytology 12814
 Feeding behaviour 6493
 Genetics 12814
 Morphology (organisms) 6493
- Ampelisca*,
 Morphology (organisms): PS, Antarctic Ocean 9277
 Taxonomy: PS, Antarctic Ocean 9277
- Ampelisca anversensis*,
 New species: PS, Antarctic Ocean 9277
- Ampelisca bouvieri*,
 New records: PS, Antarctic Ocean 9277
- Ampelisca brevicornis*,
 Population dynamics: ANE, Germany, F.R., Helgoland 6538
 Production (biological): ANE, Germany, F.R., Helgoland 6538
- Ampelisca gibba*,
 New records: ASE, Adriatic 10471
- Ampelisca richardsoni*,
 New species: PS, Antarctic Ocean 9277
- Ampelisca tenuicornis*,
 New records: ASE, Adriatic 10471
- Ampeliscidae*,
 Check lists: ASE, Adriatic 10471
 Keys: ASE, Adriatic 10471
 Morphology (organisms): ASE, Adriatic 10471
- Amphibia*,
 Abnormalities 5945, 6361
 Anatomy 9475, 9486
 Biochemistry 6361
 Blood cells 13097
 Blood circulation 9486
 Brain 9475, 9500
 Breeding: USA, California, Inland waters 13133
 Check lists: Bahrain 9535
 Check lists: USA, West Virginia, Gilmer Co. 336
 Chemical analysis: Australia 8480
 Development 13092
 Ecology: Finland 2874
 Ecology: USA, California, Inland waters 13133
 Ecology Geographical distribution: USA, Tennessee 1578
 Eggs 6361
 Embryology 8624
 Embryos 13092
 Environmental effects: Ivory Coast 13337
 Enzymes 8489, 13112
 Evolution 6323, 6419, 8624, 9486
 Eyes 8470
 Fats 8470
 Geographical distribution: Czechoslovakia, Hron R. 10669
 Geographical distribution: Tunisia 10716
 Hormones 6361, 13112
 Inhibitors 8489
 Introduced species: USA, California, Inland waters 13133
 Ion transport 13112
 Metamorphosis: Czechoslovakia, Hron R. 10669
 Migrations 6419
 Morphology (organisms): Czechoslovakia, Hron R. 10669
 New records: USA, West Virginia 5159
 Osmoregulation 13097
 Oxygen consumption 13097
 Photoreceptors 9500
 Physiology 13097

- Pigments 5121
 Pineal organ 9500
 Pollution effects: Czechoslovakia, Hron R. 10669
 Population dynamics: Ivory Coast 13337
 Proteins 6323, 13092
 Regional variations: Czechoslovakia, Hron R. 10669
 Seasonal variations: Ivory Coast 13337
 Sex reversal 13089
 Skeleton 9486
 Skin: Australia 8480
 Sodium 13112
 Taxonomy: USA, Tennessee 1578
 Taxonomy: USA, West Virginia 5159
 Temperature effects 13089
 Zoogeography 6419
- Amphibolurus maculosus*,**
 Osmoregulation: Australia, South Australia, Eyre L. 9490
- Amphidinium carterae*,**
 Ammonia 9157
 Chromosomes 7156
 Mitosis 7156
 Photosynthesis 9157
 Red tides Chemical analysis 751
 Red tides Physiology: ANW, USA, Massachusetts 751
 Red tides Poisons (biological) 762
 Red tides Poisons (biological): ANW, USA, Massachusetts 751
 Red tides Toxicity 762
- Amphilepis teodora*,**
 New species: ASW, Brazil 3863
- Amphilepsis nuda*,**
 New species: ISE, Peru-Chile Trench 12808
- Amphioplus mathildae*,**
 New species: ASW, Brazil 3863
- Amphipnous cuchia*,**
 Biochemistry 6275
 Blood 5077
 Blood cells 13033
 Haemoglobin 13033
 Histology 6275
 Respiration 10632, 13033
 Respiratory organs 6275
 Secretory products 6275
- Amphipoda*,**
 Autecology: ASE, Adriatic, Banjole I. 5202
 Biodegradation: INE, Aleutian Trench 3832
 Check lists: ASE, Sicily 9280
 Ecology: ASE, Sicily 9280
 Geographical distribution: ASE, Canary Is., Fuertaventura 6148
 Geographical distribution Abundance: INE, USA, Oregon 1635
 Microorganisms: INE, Aleutian Trench 3832
 Nutrition: PSW, South Orkneys 6488
 Population dynamics: ASE, Black Sea 3036
 Population growth: ASE, Black Sea 3036
 Taxonomy: ASE, Canary Is., Fuertaventura 6148
 Taxonomy: ASE, Sicily 9280
 Taxonomy: INW, Japan Sea 11672
- Amphiprion*,**
 Mathematical models 8671
 Symbiosis 8671
- Amphiprion bicinctus*,**
 Aggressive behaviour Stimuli: ISW, Aqaba Gulf 369
- Amphisolenia biprojecta*,**
 New species: ISW, Pakistan 9131
- Amphisolenia hispinosa*,**
 New records: ISW, Arabian Sea 9131
- Amphisolenia rectangulata*,**
 New records: ISW, Arabian Sea 9131
- Amphisolenia taylori*,**
 New species: ISW, Pakistan 9131
- Amphiuma means*,**
 Carbohydrates 6313
 Hormones 6313
 Liver 6313
- Amphiura capensis*,**
 Hosts: PSW, South Africa Rep. 2677
- Amphora coffeaeformis*,**
 Cells 6566
 Phytoplankton 6566
- Amphora coffaeformis*,**
 Cytology Biochemistry 1331
- Amphora coffeaeformis*,**
 Photosynthesis 11529
 Respiration 11529
- Ampullaria*,**
 Bacterial diseases 9644
- Amyda sinensis*,**
 Histology 9465
 Spleen 9465
- Anabaena*,**
 Biochemistry 5962
 Cells 5962
 DNA 9165
 Evolution 9165
 Phosphorus Bioassays 1332
 Proteins 9165
- Anabaena ambigua*,**
 Cytology 8107
 Fats 8107
- Anabaena circinalis*,**
 Buoyancy 2523
 Light effects 2523
 Photosynthesis 2523
 Temperature effects 2523
- Anabaena curva*,**
 Morphology (organisms): USA, Minnesota, Christmas L. 9135
 New species: USA, Minnesota, Christmas L. 9135
 Ontogeny: USA, Minnesota, Christmas L. 9135
- Anabaena cylindrica*,**
 Biochemistry 5998, 8121, 11455
 Carbohydrates 8121
 Cells 8121
 Dessication Resting spores 2519

- Ecosystems 4259
 Energy flow 4259
 Growth 9608
 Metabolism 11455; 11513
 Nitrogen 5998, 11513
 Nitrogen cycle 4259, 11455
 Phosphates 9151
 Photosynthesis 11513
 Radioactive tracers 5998
 Sodium 9608
 Spores 8121
- Anabaena doliolum*,**
 Genetics 7117
 Mutations 7117
- Anabaena flos-aquae*,**
 Autolysis 7765
 Eyes 7765
 Eutrophication Zooplankton: Germany, Fed.Rep.,
 Baden-Wuerttemberg, Titisee L. 1842
 Excretion 12766
 Photosynthesis Light penetration 1325
 Plant control 7765
- Anabaena fusca*,**
 Morphology (organisms): USA, Minnesota, Christmas
 L. 9137
 New species: USA, Minnesota, Christmas L. 9137
 Plankton: USA, Minnesota, Christmas L. 9137
- Anabaena perturbata*,**
 Abundance: USA, Minnesota, Rice Marsh L. 9136
 Morphology (organisms): USA, Minnesota, Rice Marsh
 L. 9136
 New species: USA, Minnesota, Rice Marsh L. 9136
- Anabaena variabilis*,**
 Herbicides Detoxication 1997
 Metabolism 2537
 Nutritional requirements 2538
 Photosynthesis 2537, 2538
- Anabaenopsis circularis*,**
 Diets 5997
 Environmental effects 5997
 Nitrogen 5997
 Phosphates 9151
 Photosynthesis 5997
- Anabas testudineus*,**
 Artificial fecundation 13692
 Artificial fecundation: India, Bihar 13681
 Cage culture: India, Assam, Ghorajan beel 13685
 Development 7284
 Length-weight relationships 8395
 Life cycle 7284
 Mathematical models 8395
 Rearing: India, Bihar 13681
 Respiration 8395
 Respiratory organs 8395
 Seed (aquaculture) 13692
 Sexual maturity: India, Bihar 13681
 Sexual reproduction: India, Bihar 13681
 Survival: India, Bihar 13681
- Anableps anableps*,**
 Eyes 8416
 Vision 8416
- Anacropora*,**
 Morphology (organisms) 3867
 Taxonomy 3867
- Anacropora matthaii*,**
 New species 3867
- Anacystis nidulans*,**
 Biochemistry 4790
 Enzymes 4790
 Genetics 5990
 Grazing 8664
 Growth regulators 4135
 Hormones 4135
 Mutations 5990
 Photosynthesis 4790
 Physiology 11536
 Ultraviolet radiation 5990
 Viral diseases 12011
- Anadara brasiliiana*,**
 Parasites: ASW, USA, Texas 6033
- Anadara tuberculosa*,**
 Aquaculture 3130
 Production (biological) 3130
- Anadonta cygnea*,**
 Reproduction Life cycle: Italy, Trasimento L. 1393
- Analetris eximia*,**
 Biogeography: Canada, Saskatchewan R. 9326
 Biology: Canada, Saskatchewan R. 9326
 Habitat: Canada, Saskatchewan R. 9326
 Life cycle: Canada, Saskatchewan R. 9326
 Taxonomy: Canada, Saskatchewan R. 9326
- Anarhichas*,**
 Brain 3996
 Nervous system 3996
 Thermal aquaculture Nutritional requirements 392
- Anarhichas denticulatus*,**
 New records: ANW, St Lawrence Estuary 1644
- Anas*,**
 Reproduction: USA, Colorado, Inland waters 11912
 Water level: USA, Colorado, Inland waters 11912
- Anas platyrhynchos*,**
 Brain 2863
 Hormones 2863
 Osmoregulation 2863
 Serological studies 2863
- Anatidae*,**
 Conservation of natural resources 9960
 Migrations 9960
- Anax*,**
 Larvae 9331
 Morphology (organisms) 9331
- Anchistus miersi*,**
 Morphology (organisms): ISEW 2674
- Anchoa*,**
 Anatomy 9363
 Cells 9363

- Echo surveys: ISE, California Gulf 11217
 Electrophoresis 4024
 Eyes 9363, 8345
 Fishery surveys: ISE, California Gulf 11217
 Speciation 4024
 Taxonomy 4024
 Ultrastructure 8345
- Anchoviella,**
 Exploratory fishing Trawling: ISW, India, Cape Comorin 2151
 Fats 4028
 Trawl nets: ISW, India, Cape Comorin 2151
- Ancylidae,**
 Assimilation 12872
 Biomass 12872
 Environmental effects: USA, Texas 8554
 Growth: USA, Texas 8554
 Life cycle 12872
 Life cycle: USA, Texas 8554
 Production (biological) 12872
 Reproduction: USA, Texas 8554
 Shells Electron microscopy 184
 Shells Morphology (organisms) 189
- Ancylus fluviatilis,**
 Biometrics 5186
 Carbon 7188
 Carbon cycle 4232
 Energy flow 4254
 Environmental effects 5186
 Feeding behaviour Food composition: Germany, Fed.Rep., Baden-Wuerttemberg, Black Forest 381
 Food chains 4232
 Geographical distribution Habitat: Denmark, Gudenaa R. 333
 Metabolic rate 7188
 Metabolism 4232
 Metabolism Production rate 201
 Population structure 4254
 Reproduction Life cycle: Germany, Fed.Rep., Baden-Wuerttemberg, Muehlbach 1760
 Rivers 5186
 Spawning migrations: Germany, Fed.Rep., Baden-Wuerttemberg, Black Forest 381
- Ancyrophora cornuta,**
 New species 7466
 Parasites 7466
- Androctonus australis,**
 Chemical extraction Poisons (biological) 2025
- Anemonia sulcata,**
 Biochemistry 6767, 6768
 Chemical analysis 8799
 Feeding 9620
 Feeding mechanisms 9620
 Histology 3868
 Mortality causes 5539
 Nutrition 9620
 Poisons (biological) 6767, 6768, 8799
 Ultrastructure 3868
- Angiospermae,**
 Biomass: ANW, USA, Virginia 8092
- Biomass: ASW, Cuban Shelf 7575
 Communities: Argentina, Santa Fe, R.Parana 6350
 Correlation analysis: ANW, USA, Virginia 8092
 Erosion control: USA, Texas 5550
 Geographical distribution: British Isles, Scotland, Tweed R. 2923, 2924
 Geographical distribution: Canada, British Columbia 12113
 Metabolic rate: ASW, Cuban Shelf 7575
 Production (biological): ANW, USA, Virginia 8092
 Salinity effects: ANW, USA, Virginia 8092
 Salinity effects: Canada, British Columbia 12113
 Salt marshes: ANW, USA, Virginia 8092
 Tides: ASE, France, Bassin d'Arcachon 11855
 Vegetation cover: ASE, France, Bassin d'Arcachon 11855
- Angiostrongylus cantonensis,**
 Parasites 13283, 13284, 13285
 Parasites Hosts 1808
- Anguilla,**
 Age composition 13205
 Age composition: Poland, Marozka R. 13309
 Ageing methods 13205, 13206
 Ageing methods: Africa, Kariba L. 7493
 Anaesthetics 13572
 Behaviour 13553
 Biological rhythms: ANE, Sweden 13778
 Biology 2741
 Blood vessels 8380
 Brackishwater aquaculture: Germany, Fed.Rep. 13644
 Electric fishing 13548, 13553
 Electric fishing: Eire, Shannon R. 13554
 Electric fishing: Poland 13550, 13551
 Electronic equipment Sampling (biological) 827
 Enzymes 10598
 Estuaries: ANE, Germany, Fed.Rep., Elbe Estuary 13783
 Fish catch statistics: ANE, German Bight 13775
 Fish catch statistics: ANE, Sweden 13778, 13782
 Fish catch statistics: British Isles 13827
 Fish catch statistics: Eire 13779
 Fish catch statistics: Europe, Constance L. 13776
 Fish catch statistics: Poland 13822
 Fish catch statistics: Poland, Narew R.basin 13780, 13781
 Fish larvae: ANE 13343
 Fisheries 2741
 Fisheries: ANE, Germany, Fed.Rep., Elbe Estuary 13783
 Fisheries: IS 6867
 Fisheries management 13824
 Fisheries management: Eire, Shannon R. 13825
 Fisheries management: Eire, Wexford 13825
 Fisheries management: Poland 13549, 13821, 13823
 Fisheries resources: British Isles 13827
 Fishery economics 13824
 Fishery oceanography: ANE, Hanoe Bight 13782
 Fishing effort: Poland, Narew R.basin 13781
 Fishing mortality: Poland 13549
 Food availability: Poland 13823
 Food chains: Poland 13823

- ear selectivity: Poland 13550, 13551
 ear selectivity: Poland, Sasak Wielki L. 13310
 Genetics 10598
 Geographical distribution: Africa, Kariba L. 7493
 Growth 13204
 Growth: ASE, Adriatic 13311
 Growth rate: Africa, Kariba L. 7493
 Guiding devices: Eire, Shannon R. 13554
 Hormones 8380
 Inland fisheries: Poland, Narew R. basin 13780
 Lake fisheries: Poland 13549, 13821, 13822
 Larvae: ANW 3442
 Length-weight relationships 13572
 Life cycle 2741
 Marketing: Europe 13926
 Measuring devices 13572
 Metabolism 13553
 Migrations: ANE 13343
 Migrations: Europe, Constance L. 13776
 Moon phases: ANE, Sweden 13778
 Oceanodromous migrations: Poland, Marozka R. 13309
 Otolith reading 13205
 Population density: Africa, Kariba L. 7493
 Population parameters: ASE, Adriatic 13311
 Resource development: Eire, Shannon R. 13825
 Resource development: Eire, Wexford 13825
 Resource development: ISW 6867
 River fisheries: Eire 13779
 Sampling (biological) Traps: Eire 954
 Scale reading 13205
 Seasonal variations: ANE 13343
 Seasonal variations: Poland, Narew R. basin 13781
 Sex ratios: Poland, Marozka R. 13309
 Size distribution 13572
 Size distribution: Poland, Marozka R. 13309
 Size distribution Oceanodromous migrations: Poland, Sasak Wielki L. 13310
 Spawning seasons: ANW 3442
 Stock assessment: British Isles 13827
 Stocking 13824
 Stocking: Europe, Constance L. 13776
 Stocking: Germany, Fed. Rep. 13783
 Stocking: Poland 13822
 Stocking density: Poland 13822
 Surrounding nets: Poland 13551
 Surrounding nets: Poland, Sasak Wielki L. 13310
 Taxonomy: Africa, Kariba L. 7493
 Temperature effects 13204
 Thermal aquaculture: Germany, Fed. Rep. 13644
 Trawling: ANE, German Bight 13775
 Trawling Electric fishing: Germany, Fed. Rep. 826

Anguilla anguilla,
 Acclimation 9436
 Alimentary organs 7323
 Anatomy 10547, 12946
 Artificial fecundation 6257, 12999
 Bioaccumulation 13670
 Biochemistry 6504
 Biology: Europe 6189
 Biosynthesis 12982
 Blood 10838
 Blood cells 13034
 Brackishwater aquaculture 13617
 Brackishwater aquaculture: France, Guerande peninsula 10247
 Brain 10547
 Calcium 10620
 Catch effort: ANE, Norway, Hardangerfjord 13552
 Cell division 13034
 Cells 10547
 Chromosomes 12971
 Circadian rhythms 13166
 Commercial fishing: Germany, Fed. Rep., Moselle R. 12308
 Conferences: Denmark, Charlottenlund 12553
 Development 12978
 Diseases: ANE, British Isles 9655
 Diseases: Japan 13620
 Diurnal rhythms: ANE, Baltic 13158
 Eggs 6229
 Electrophoresis 12978
 Electrophoresis: ASE, Mediterranean 13339
 Environmental effects 13618
 Enzymes 9403, 10599, 11802
 Enzymes: ASE, Mediterranean 13339
 Equipment 5085
 Experimental fishing: ANE, Norway, Hardangerfjord 13552
 Fecundity 12970
 Fish catch statistics: ANE, Baltic 13828
 Fish catch statistics: ANE, Germany, F.R., German Bight 6805
 Fish catch statistics: Germany, Fed. Rep 13777
 Fish culture 13616
 Fish culture: ASE, Spain 13609
 Fish culture: Japan 13620
 Fish culture Water temperature: Germany, F.R., Emden 2105
 Fish culture Yield 853
 Fishery management Fish culture: Germany, D.R., Seddin 2123
 Fishery surveys: Eire 13826
 Fishing gear: ANE, Germany, F.R., German Bight 6805
 Genetics 10599
 Growth 12944, 13616, 13617, 13618
 Growth: Japan 13620
 Growth rate 12946
 Haematology 8747
 Haemoglobin 12978
 Heart 10614
 Heavy metals 13670
 Hormones 10620
 Inland fisheries: Germany, Fed. Rep 13777
 Juveniles 13616, 13618
 Larvae 12944
 Light effects 13166
 Liver 8747
 Metabolism 6504, 8748, 12999
 Migrations: ANE 13157
 Migrations: ANE, Baltic 13158, 13159
 Migrations: ASE, Biscay Bay 13157
 Morphology 12944

Morphology (organisms): ASE, Biscay Bay 7275
 Musculature 12946
 Nerves 10634
 Net fishing: ANE, Germany, F.R., German Bight 6805
 Nutritional requirements 13616
 Olfactory organs: ASE, Biscay Bay 7275
 Oogenesis 6257
 Osmoregulation 5085, 7323, 10634
 Osmoregulation Drugs 1563
 Ovaries 12982
 Overfishing: ANE, Baltic 13828
 Parasites: Japan 13620
 Parasites Respiratory organs 1768
 PCB 8747, 8748
 Photoreceptors 13166
 Pituitary gland 7282
 Pollution effects 8748
 Ponds: France, Guerande peninsula 10247
 Population density: Eire 13826
 Population dynamics: ANE, Baltic 13828
 Population genetics: ASE, Mediterranean 13339
 Pressure effects 10614, 11795
 Quality control 6721
 Radioactive tracers 13000
 Radioisotopes 13000
 Rearing 854
 Rearing Water temperature 2100
 Reproductive organs 6257, 7282
 Respiratory organs 9403
 Respiratory pigments 9436
 Salinity effects 9403, 10547
 Salinity tolerance 5085
 Sexual dimorphism 13618
 Sexual maturity 12999
 Sexual maturity Hormones 2099
 Skeleton 10620
 Skin 13270
 Sonic tags 13157
 Starvation 6504
 Stock assessment: Eire 13826
 Stock assessment: Europe 12553
 Storage effects 11802
 Tagging: ANE 13157
 Tagging: ANE, Baltic 13158
 Tagging: ANE, Norway, Hardangerfjord 13552
 Tagging: ASE, Biscay Bay 13157
 Temperature effects 9403, 13618
 Thermal aquaculture 13617, 13670
 Toxicity 8748
 Traps: ANE, Norway, Hardangerfjord 13552
 Tumours: Europe 13270
 Tumours: Europe, Elbe R. 13270
 Ultrastructure 10547
 Vitamin deficiencies 8417, 10838
 Water quality 8837
 Yield: Germany, Fed.Rep 13777

Anguilla australis,

Artificial fecundation: New Zealand 13619
 Sexual maturity: New Zealand 13619

Anguilla dieffenbachii,

Artificial fecundation: New Zealand 13619
 Sexual maturity: New Zealand 13619

Anguilla japonica,

Blood circulation 8401
 Chemical stimuli 8401
 Chromosomes 12994
 Chromosomes Cultures 1261
 Cultures Blood cells 1261
 DNA 12994
 Enzymes 9446
 Larvae 4648
 Larvae: ISEW 5014
 Morphology (organisms): ISEW, Taiwan 8347
 Morphology (organisms) Larvae: ISEW, Okinawa 262
 New records: Philippines, Cagayan R. 328
 Rearing: Philippines, Cagayan R. 328
 Serological studies Hormones 287
 Taxonomy: ISEW, Taiwan 8347
 Temperature effects Vertical distribution: ISEW, Okinawa 347

Anguilla rostrata,

Artificial fecundation Hormones 911
 Biological rhythms 11905
 Diurnal rhythm 7309
 Electromagnetism 7309
 Haemoglobin 6286
 Hormones 9430
 Light effects 13165
 Locomotion 13165, 13440
 Metabolism 9430
 Oil pollution 10072
 Oxygen consumption 5069, 6286, 13440
 Palatability 10072
 Phenols 13440
 Phosphates 6286
 Pollution effects 13440
 Reproductive behaviour 11905
 Salinity effects 5069
 Serological studies 5069
 Sexual maturity 11905

Anguilla vulgaris,

Environmental factors 8586
 Geographical distribution: ANE 8586
 Tumours: ANE, Baltic 8586
 Viruses: ANE, Baltic 8586

Anguillidae,

Electric fishing Fishery surveys: Algeria 938
 Fishery surveys: INW 4614
 Fishery surveys: ISEW 4614
 Larvae: INW 5621
 Larvae: ISEW 5621
 Quality control 2211
 Trade: New Zealand 2211

Anguilliformes,

Check lists: ASW 6227
 Fish larvae: ASW 6227
 Morphology: ASW 6227
 New records: ASW 6227
 Taxonomy: ISW 2773

- Anilocra laticauda**,
Geographical distribution: ASW, Guadeloupe 2892
- Anilocra physodes**,
Biochemistry 6512
Parasites 6512
- Anisogammarus confervicola**,
Pollution effects 5488
- Anisoptera**,
Abundance: Mexico, Mazatlan, Inland waters 12925
Population dynamics: Mexico, Mazatlan, Inland waters 12925
Seasonal variations: Mexico, Mazatlan, Inland waters 12925
- Ankistrodesmus amaloides**,
Pollution effects 3289
- Ankistrodesmus falcatus**,
Herbicides 8763, 9872
Pollution effects 9872
Toxicity 9872
- Ankylocythere barbouri**,
Morphology (organisms): ASW, Mexico 2686
- Annelida**,
Amino acids 2584
Anatomy 9179
Bioaccumulation 2584
Cells Chamoses 1364
Morphology (organisms) 8139
Respiratory pigments 9215
Ultrastructure 8139, 9179
- Anodonta**,
Shells 4895
Taxonomy 4895
- Anodonta Cygnaea**,
Metabolism 3940
- Anodonta piscinalis**,
New records: Norway 6411
- Anodonta anatina**,
Parasites 10865
Respiratory organs 10865
- Anomalocera patersoni**,
Chemical analysis Proteins 230
Light effects 6437
Phototropism Locomotion 1698
- Anomiotrea pyxidata**,
Terminology 2638
- Anomura**,
Geographical distribution Check lists: INE, USA, Alaska 2683
- Anopheles gambiae**,
Population dynamics: Kenya, Kano Plain 8310
- Anopheles maculipennis**,
Biological control 6773
- Anopheles pulcherrimus**,
Dispersion: USSR, Amudarya R. 6525
- Anopheles stephensi**,
Chromosomes Sex determination 249
- Anophelina**,
Biological control: Maldive Isl. 4420
Predation: Maldive Isl. 4420
- Anoplodactylus robustus**,
Morphology: ASE, Adriatic, Banjole I. 5202
- Anoplogaster cornuta**,
Metabolism 10646
Oxygen consumption 10646
- Anoplopoma fimbria**,
Fats 10067
Fish oils 10067
Traps Commercial fishing: INE, USA 835
Traps Gear research: INE, USA 835
- Anoplostoma viviparum**,
Chemical composition 9721
- Anoptichthys jordani**,
Pineal organ 10551
- Anseriformes**,
Check lists: Romania, Danube Delta 7475
Chemical analysis 10615
Parasites: Romania, Danube Delta 7475
Testes 10615
- Antarcticobdella crozetensis**,
New records: PS, Antarctica, Marion Is. 8504
- Antarctodarwinella**,
Abundance: PSW, British Antarctic Territory, Seymour I. 10439
Geographical distribution: PSW, British Antarctic Territory, Seymour I. 10439
Morphology (organisms): PSW, British Antarctic Territory, Seymour I. 10439
- Antarctodarwinella ellioti**,
New species: PSW, British Antarctic Territory, Seymour I. 10439
- Antedon bifida**,
Cytology 6030
Eggs 6030
- Anthecheres duebeni**,
Parasites: ANE, Norway 11993
- Anthodiaris crassispina**,
Community composition: INW, Japan 10959
- Anthopleura elegantissima**,
Aggregations 13191
Alarm substances 10773
Avoidance behaviour 10773
Competitive behaviour 13191
Social behaviour 13191
- Anthopleura xanthogrammica**,
Staining 13127
- Anthozoa**,
Coral reefs 7551
Heavy metals: ISEW, Guam 13498
Locomotion 7411
Morphology 10379
Protective behaviour 7411
Skeleton 10379

***Antimora rostrata*,**

Abyssal zone 6288, 6289, 6291, 6292, 6293
 Abyssal zone: World Oceans 6192
 Biochemistry 6293, 6296
 Enzymes 6288, 6289, 6291, 6292
 Fats: ISE, Hawaii 6297
 Feeding behaviour 6192
 Haemoglobins 6293
 Life history: World Oceans 6192
 Metabolism: ISE, Hawaii 6297
 Pressure effects 6288, 6289, 6291, 6300
 Respiratory organs 6292
 Sex ratios 6192
 Swim bladder 6293, 6296
 Temperature effects 6291

***Antipella praeclara*,**

New species: ASE, Senegal 4842

***Antithamnion*,**

Cells 11478
 Ultrastructure 11478

***Antromysis juberthiei*,**

Life cycle 7212
 Reproduction 7212

***Anura*,**

Blood 13111
 Evolution 6381
 Muscular systems Nervous systems 2852
 Oxygen consumption 13111
 Phototaxis 9594
 Respiration Respiratory organs 315
 Serological studies 6381
 Serological studies Electrophoresis 316
 Taxonomy 6381

***Aona intestinalis*,**

Temperature tolerance 4434

***Aotea acus*,**

Morphology (organisms): PSE, New Zealand 10558
 Terminology: PSE, New Zealand 10558

***Apelocheirus aestivalis*,**

New records: Switzerland, Neuchatel L. 6420

***Aphanizomenon*,**

Chemical analysis Carbohydrates 46

***Aphanizomenon flos-aquae*,**

Algal blooms: ANE, Baltic 9755
 Red tides Poisons (biological) 762

***Aphanocapsa*,**

Proteins 9165

***Aphanomyces astaci*,**

Diseases: Australia 7463
 Enzymes 6530
 Hosts 5286
 Parasites 6530
 Spores 5286
 Temperature effects 5286

***Aphanomyces euteiches*,**

Asexual reproduction Spores 1286

***Aphanomyces laevis*,**

Parasites 8590

***Aphanotece halophytica*,**

Brackish water: USA, Utah, Great Salt Lake 11460
 Salinity tolerance: USA, Utah, Great Salt Lake 11460

***Aphyonus bolini*,**

New species: ISEW, South China Sea 2791

***Apiosoma*,**

Parasites 7481

***Apiosoma lotae*,**

New species 7481

***Apiosoma piscicola*,**

New species 7481

***Apjohnia*,**

Morphology 9132
 Taxonomy 9132

***Aplocheilus latipes*,**

Biological control 6773
 Cultures 5942

***Aplocheilus melastigma*,**

Parasites 9211

***Aplodinotus grunniens*,**

Hosts 7131
 Hosts: USA, Oklahoma, Texoma L. 10868

***Aplysia*,**

Anatomy 10462
 Circadian rhythm 9268
 Eyes 9268
 Growth regulators 4937
 Haemoglobins 10628
 Inhibitors 4928
 Nerves 4928, 4934, 10462
 Nervous systems 7195
 Osmoregulation 4937
 Oxygen demand 4934
 Physiology 4937, 10462
 Pollution effects 3276
 Thermal pollution 3276

***Aplysia californica*,**

Brain 9260
 Chemical analysis 12871
 Chemoreception Feeding behaviour 1410
 Digestive glands 12871
 Eyes 11635
 Hormones 1416
 Nerves 11605
 Nervous systems 9260
 Proteins 11635
 Secretory products 11635

***Aplysia depilans*,**

Nerves 10458

***Aplysia kurodai*,**

Tagging: INW, Japan, Nabeta Bay 5174

***Aplysia parvula*,**

New records: ANE, British Isles, Devon 2904

***Apoglossum ruscifolium*,**

Genetics 11497
 Growth 11497

***Apogon albimaculosus*,**

- morphology (organisms): ISEW, Australia,
 Queensland 9375
 new species: ISEW, Australia, Queensland 9375
- pogonidae,**
 coral reefs: ISW, Madagascar, Tulear 12152
 ecosystems: ISW, Madagascar, Tulear 12152
 trophic levels: ISW, Madagascar, Tulear 12152
- porrhais uttingerianus,**
 geographical distribution: ASE, Syria, Latakiya 12515
 new records: ASE, Syria, Latakiya 12515
 palaeontology: ASE, Syria, Latakiya 12515
- ppendicularia,**
 circadian rhythm Abundance: ASE,
 Mediterranean 1873
 ecology 13077
 feeding 13077
 geographical distribution 13077
 habitat 12070
 life cycle 13077
 marine ecology: ASE, Alexandria Sea 1603
 morphology (organisms) 13077
 plankton 12070
- priophorus,**
 keys 2726
 new species 2726
 taxonomy 2726
- pteronotus albifrons,**
 rain 8403
 electric organs 8403, 10775
 sense functions 10775
- ptocyclus ventricosus,**
 development 10587
 enzymes 9446
 growth 10587
 temperature effects 10587
- quipectins irradians,**
 oil pollution Pollution effects 615
- rachnida,**
 oxygen consumption 12933
- rapaima,**
 terminology 5019
- raphidales,**
 new record Geographical distribution: PSW, Argentina,
 Puerto Deseado 133
 taxonomy: PSW, Argentina, Puerto Deseado 133
- rbacia lixula,**
 growth 12819
 ontogeny 12819
 skeleton 12819
- rbacia punctulata,**
 eggs 9222, 11558
 physiology 9222
 reproduction 9222
 perm 9222
 ultrastructure 11558
 ultraviolet radiation 11558
- Arbacida lixula,**
 Artificial rearing 10396
 Development 10396
- Arca,**
 Bioaccumulation: ISW, India, Bombay 6663
- Arcella vulgaris,**
 Ultrastructure Cytology 2546
- Archaeocyathidae,**
 Geographical distribution: INE, Canada, British
 Columbia 8910
 Palaeontology: INE, Canada, British Columbia 8910
- Archaeolithophyllum,**
 Fossils 5967
- Archaeolithophyllum missouriense,**
 Fossils 5967
 New species 5967
- Archaster typicus,**
 Ectoparasites: ISEW, Hong Kong 10871
- Archidoris pseudoargus,**
 Nervous system 8234
- Archilestes grandis,**
 Life cycle: USA, North Carolina 12926
- Architectonica,**
 Taxonomy: ASE, Mediterranean 7183
- Architectonicidae,**
 Taxonomy 2619
- Architectonidae,**
 Mouth parts: ASE, Mediterranean 7183
- Archoplites interruptus,**
 Life cycle: USA, California, Greenhaven L. 7231
 Spawning: USA, California, Greenhaven L. 7231
- Archosargus probatocephalus,**
 New records: ANW, Canada 8494
- Arcoida,**
 Growth 8626
 Muscular systems 8626
- Arctica islandica,**
 Aerobic respiration 6123
 Anaerobic respiration 6123
 Ocean dumping Metals: ANW, USA 1964
 Oxygen consumption 6123
 Respiration Biological oxygen demand 1415
- Arctocephalus,**
 New records: ISEW, New Caledonia 6417
- Arctocephalus forsteri,**
 Growth rate: ISE, New Zealand I.Terr. 7431
 Length-weight relationships: ISE, New Zealand
 I.Terr. 7431
 Population dynamics: PSE, New Zealand, Open Bay
 I. 7496
- Arctocephalus gazella,**
 Biology: PS 13846
 Geographical distribution: PS 13846
 Marine ecology: PS 13846
 Stock assessment: PS 13846
- Arctophylla fulva,**
 Nitrogen: Alaska 7439

Ardea cinerea,
Nutrition Farm ponds: Germany, F.R., Bavaria 2106

Arene notialis,
Geographical distribution: ASW, Brazil 1649

Arenicola brasiliensis,
Spermatogenesis Electron microscopy 1371

Arenicola marina,
Blood cells 10362
Feeding mechanisms 12785
Gametogenesis 8178
Radioactive pollution 5507, 7645, 7682, 7683
Reproduction 8178
Skeleton 12785
Water pressure 12785

Arenicolites variabilis,
New species: ANE, British Isles 2569

Arenostella monensis,
New species: ANE, Isle of Man 7206

Argathona macronema,
Taxonomy: ISW, Kenya 2666

Argetinoidei,
Microorganisms 9781

Argirops spinifer,
Taxonomy: ISW, Arabian Sea 7155

Argulus foliaceus,
Cytology 2721
Ion accumulation 2721
Sodium chloride 2721

Argyroneta aquatica,
Predation 12933
Respiratory organs 12933

Argyropelecus,
Geographical distribution: INW 9367
Morphology (organisms): INW 9367
Taxonomy: INW 9367

Argyropelecus affinis,
Eyes 10644
Physiology 10644

Argyropelecus hemigymnus,
Bioluminescence 8379

Argyrosomus nibe,
Fisheries statistics: ISEW, East China Sea 10050
Growth rate: ISEW, East China Sea 10050
Morphology (organisms): ISEW, East China Sea 10050
Stock assessment: ISEW, East China Sea 10050

Ariomma helena,
New species: ASE 9382

Ariomma melanum,
New records: ASE 9382

Aristeomorpha foliacea,
Fats 3973
Fishery surveys: PSE, Australia, New South Wales 5647

Aristichthys nobilis,
Freezing storage 13680
Insecticides 6709
Pollution effects 6709

Seed (aquaculture) 13680
Sperm 13680
Strontium 6709

Arius felis,
Chemical analysis 6278
Embryology Brain: ASW, USA, Alabama, Mississippi
Sound 908

Eyes 6278
Horizontal distribution Migrations 908
Tumours: ASW, USA, Mississippi 7301

Armadillidium nasutum,
Cilia 6154
Metabolism 11705
Moulting 11705
Serological studies 11705
Ultrastructure 6154

Armadillo officinalis,
Haemoglobin 6171

Arnoglossus armstrongi,
New species: PSE, Tasmania 5011

Arnoglossus imperialis,
Feeding behaviour: ASE, Biscay Bay 9638

Arnoglossus thori,
Feeding behaviour: ASE, Biscay Bay 9638

Arrenurus guatemaltecus,
New species: Guatemala 3982

Artemia,
Cultures 13736

Artemia salina,
Biochemistry 8172
Carbohydrates 7218
Cell division 12899
Chemical analysis 10507
Chemical structure 8304
Cultures 13588, 13735
Development 9296
Development Enzymes 2715
Eggs 8270, 9296, 11192, 12899
Embryology 12904
Embryos 8172, 10507, 10900
Enzymes 8304, 10507, 12904
Eyes 13203
Feeds Fish larvae 869
Geographical distribution 10900
Growth regulators 379
Inhibitors 12899
Iron 9021
Metabolism 379, 7218
Mitosis 8270, 9296
Nervous system 4862
Nutrition 9632
Nutritional requirements 379
Oil pollution 9862
Ontogeny 12904
Photoreceptors 13203
Phototaxis 13203
Physiology 4862
Poisons (biological) 8270
Pollution effects 9862

lyploids: India, Jamnagar 10900
 Population genetics: India, Jamnagar 10900
 rearing 854, 13735
 respiration 7219
 NA 8172, 8304, 12904
 linity effects 11192
 cretory products 4862
 mperature effects 11192
 rastructure 2703
 rastructure Nerves 1425
throbacter siderocapsulatus,
 ew species 3835
thropoda,
 rmino acids 12719
 oassays 11911
 ooks 5772
 eisease control 4408
 issolved oxygen 11911
 osystems 4257
 olution 12719
 eeding 4257
 raematology 3918, 12719
 ethal limits 11911
 uscular system 9306
 ervous system 10496
 espiratory organs 10496
 keleton 6166
 kin 5772
 ltrastructure 6166
rtica islandica,
 eographical distribution: ANW, USA 12506
 ethodology: ANW, USA 12506
 ollution effects: ANW, USA 12506
 atistical analysis: ANW, USA 12506
rticulata,
 olution: USA, Missouri 9180
 orphology (organisms): USA, Missouri 9180
 alaeontology: USA, Missouri 9180
ruma histrio,
 orphology (organisms): ISE 10556
 egiional variations: ISE 10556
 erminology: ISE 10556
rvicola terrestris,
 iving 4057
 uscular systems 4057
 hysiology 4057
scarophis,
 arasites: USA, California 8603
 arasites: USA, Washington 8603
scarophis ayalai,
rius liropus: New species Parasites: Mexico 1345
scidia,
 enthos Community composition: ANE, Norway,
 Bergenfjord 1642
scidia citrina,
 ew species: INW, Japan 1360
scidia mentula,
 hromosomes 6360
 Genetics 6360

Population genetics: ANE, Plymouth Sound 6360
 Population genetics: ANE, Scotland 6360
 Population genetics: ASE, Naples Gulf 6360

Ascidiceae,

Anatomy 9092
 Benthos: ASE, France, Banyuls-sur-mer 5368
 Biogeography: I, Pacific 9451
 Breeding: ASE, Italy, Taranto, Mar Piccolo 4433
 Check lists: ASE, France, Banyuls-sur-mer 5368
 Enzymes Respiratory organs 311
 Geographical distribution: ASE, France,
 Banyuls-sur-mer 5368
 Geographical distribution: I, Pacific 9451
 New species: I, Pacific 9451
 Taxonomy Marine ecology: ASE, Yugoslavia, Rovinj,
 Adriatic 305

Ascidiceae,

Biological collections: INW, Japan, Amami Is. 10361
 Taxonomy: INW, Japan, Amami Is. 10361
 Terminology: INW, Japan, Amami Is. 10361

Ascomycetes,

Check lists: ANE, Denmark 4744
 Reproduction: ANE, Denmark 4744

Ascophyllum nodosum,

Biomass: ASE, Spain, Vigo Rio 13322
 Growth: ANW, USA, New York, Long Island, Flax
 Pond 10816
 Horizontal distribution: ANW, USA, New York, Long
 Island, Flax Pond 10718
 Population density: ASE, Spain, Vigo Rio 13322
 Salt marshes: ANW, USA, New York, Long Island, Flax
 Pond 10718

Asellota,

New species: ASE, Mediterranean 4966
 Taxonomy: ASE, Mediterranean 4966

Asellus,

Competition 4241
 Competitive behaviour 4242
 Reproductive behaviour 1687
 Sympatric populations 4241
 Terminology 6146

Asellus aquaticus,

Alimentary organs 11671
 Anatomy 11671
 Development 8273
 Digestion 11671
 Embryos 8272
 Food composition Stomach contents 386
 Genetics 8274
 Industrial wastes 8746
 Light effects 8273
 Mortality causes 8272
 Pollutants 8746
 Polymorphism 8274
 Population control 8272
 Reproduction 8272
 Sexual maturity 8273
 Terminology 11671

***Asellus meridianus*,**

Pollution effects: British Isles, Cornwall, Hayle

R. 12263

Tolerance: British Isles, Cornwall, Hayle R. 12263

***Aspergillus*,**

Poisons (biological) 5715

Salinity effects 5715

Storage effects 5715

***Aspergillus oryzae*,**

Metabolism 2388

***Aspidomolgus stoichactinus*,**

New records: ASW, Curacao 2698

***Aspidonectes californiana*,**

Taxonomy: USA, California, Sacramento R. 6353

Terminology: USA, California, Sacramento R. 6353

***Aspidosiphon schnehageni*,**

Geographical distribution: ISE, Guatemala 7153

Morphology (organisms): ISE, Guatemala 7153

***Aspius vorax*,**

Biometrics: ISW, Iraq, Basrah 13314

Parasites: ISW, Iraq, Basrah 13279

Contracaecum: Host-parasite systems: ISW, Iraq, Basrah 13279***Asplanchna*,**

Polymorphism Predation 9675

Polymorphism Sexual reproduction 1686

Predation Genetics 9675

***Asplanchna priodonta*,**

Chromosomes 11578

Genetics 11578

***Asplanchna sieboldi*,**

Cannibalism 13264

Glands 12794

Morphology (organisms) 12794

Polymorphism 8627, 12794

Population genetics 8627

Predation 13264

***Asplanchnopus bhimavaramensis*,**

New species: India 171

***Astacidae*,**

Check lists: USA, Inland waters 3963

Crayfishes Check lists: North America 222

Locomotion 12923

Muscular system 8303, 12923

Nerves 8303, 12923

Ontogeny 12923

Physiology 8303

Shellfish culture Commercial availability: ASW, USA, Louisiana 4465

Shellfish culture Economics: ASW, USA, Louisiana 4465

Shellfish culture Marketing: ASW, USA, Louisiana 4465

***Astacus*,**

Calcium Photoreceptors 1464

Chemical analysis 10515

Cilia Mechanical stimuli 237

Eyes 10515

Immunology: Australia 7463

***Astacus astacus*,**

Aquaculture Growth rate 2130

Biometrics: Finland, Tullusjaervi L. 6163

Conservation: Netherlands, Inland waters 4249

Environmental factors: Germany, F.R., North-Rhine Westphalia 9530

Enzymes 10522

Geographical distribution: Germany, F.R., North-Rhine Westphalia 9530

Geographical distribution: USSR, Inland waters 12139

Length-weight relationships: Finland, Tullusjaervi L. 6163

Muscular system: Finland, Tullusjaervi L. 6163

Pancreas: Finland, Tullusjaervi L. 6163

Parasites 5286, 10523

Pollution effects: Netherlands, Inland waters 4249

Population dynamics: Germany, F.R., North-Rhine Westphalia 9530

Serological studies 10522, 10523

Sympatric populations: USSR, Lithuania 10894

***Astacus leptodactylus*,**

Geographical distribution: USSR, Inland waters 12139

Haemoglobin 11686

Immunology 7220

Moulting 7220

Proteins 11686

Serological studies 7220, 11686

Sympatric populations: USSR, Lithuania 10894

***Astacus pontastacus*,**

Proteins 9305

***Astartidae*,**

Evolution: ANE, North Sea 4885

Morphology (organisms): ANE, North Sea 4885

Taxonomy: ANE, North Sea 4885

***Astasia dangeardii*,**

New records: Japan, Inland waters 12747

***Asterias*,**

Biochemistry 12829

Enzymes 12829

Evolution 12829

***Asterias forbesi*,**

Blood cells 10401

Proteins 10401

***Asterias rubens*,**

Biochemistry 12828

Development 11588

Fats 12827, 12828

Metabolism 12827

Physiology 11588

Temperature effects 11914

Water pressure 11914

***Asterias vulgaris*,**

Chemical extraction 12830

Hormones 12830

***Asterida*,**

Geographical distribution Cruises: AS 158

- Asterina pectinifera*,**
 Biosynthesis 7162
 Cytology 11585
 Enzymes 11585
 Sexual maturity 7162
- Asterionella*,**
 Bioassays 4467
- Asterionella formosa*,**
 Growth 13353
 Growth rate 10813, 11083
 Growth regulators 10813
 Mercury 11083
 Nutrient deficiency 13353
 Phytoplankton: USA, Pennsylvania, Edinboro L. 12056
 Pollution effects 11083
 Population growth: USA, Pennsylvania, Edinboro L. 12056
 Silicon 10813
 Subpopulation: USA, Pennsylvania, Edinboro L. 12056
 Vertical distribution 13353
- Asteroida*,**
 Population genetics 1828
- Asteroida*,**
 Bioaccumulation: INW, Japan Sea 9907
 Biological collections: ASW, Mexico Gulf 3859
 Chemoreception: INE, USA, California, Pacific Grove 8685
 Community composition: ASW, Mexico Gulf 3859
 Geographical distribution: ASW, Mexico Gulf 3859
 Geographical distribution: ISE, Chile, Eastern Islands 6025
 Metals: INW, Japan Sea 9907
 Predation 9814
 Predation: INE, USA, California, Pacific Grove 8685
 Symbiosis 11669
- Asterophlyctis sarcoptoides*,**
 Morphology (organisms) 3839
 Reproduction 3839
- Asteropontius*,**
 New species: ASW, Curacao 2698
- Astrea rugosa*,**
 Calcium 4939
 Ultrastructure 4939
- Astreptonema longispora*,**
 Geographical distribution: Germany, D.R., Ichtershausen 10272
 Hosts 10272
 Terminology: Germany, D.R., Ichtershausen 10272
- Astroconger myriaster*,**
 Chromosomes 12994
 DNA 12994
- Astrolepis*,**
 Geographical distribution 12516
 Palaeontology 12516
- Astropecten aranciacus*,**
 Circadian rhythms: ASE, France, Provence 9617
 Ecosystems 8566
 Environmental effects: ASE, Mediterranean, Sardinia 11910
- Feeding 8566
 Feeding behaviour: ASE, France, Provence 9617
 Food composition 8566
 Population density: ASE, France, Provence 9617
 Vertical distribution: ASE, Mediterranean, Sardinia 11910
- Astrophyton*,**
 Feeding 11982
 Feeding behaviour 8577
 Feeding mechanisms 8577
- Astyanax mexicanus*,**
 Pineal organ 10551
- Asymmetrione clibanarii*,**
 New species: ASW, USA, Florida 2675
 Parasites 2675
- Asymmetrione desultor*,**
 New species: ANW, USA, North Carolina 2675
 Parasites 2675
- Atagema gibba*,**
 New records: ANE, British Isles, Cornwall 2903
- Atherstonia madagascariensis*,**
 Fossils: Madagascar 12967
 New species: Madagascar 12967
- Athripsodes*,**
 Abundance 5001
 Check lists 5001
 Diversity index 5001
 New records 5001
 Sex ratios 5001
- Atlantidae*,**
 Reproductive organs 4914
- Atopocoenia kugleri*,**
 Fossils: Venezuela, Margarita Isl. 3898
 New species: Venezuela, Margarita Isl. 3898
 Taxonomy: Venezuela, Margarita Isl. 3898
- Atractosteus tristoechus*,**
 Serological studies 13015
- Atriaster*,**
 New species: ISW, Arabian Sea 7155
 Taxonomy: ISW, Arabian Sea 7155
- Atrobucca trewavasae*,**
 New species: ISW, Bengal Bay 10576
 New species: ISW, India, Bay of Bengal 268
- Attheya decora*,**
 New records: ANE, Sweden, Oeresund 2887
- Attheya zachariasi*,**
 Geographical distribution: Chile, Hualpen, Laguna Verde 2886
 Phytoplankton: Chile, Hualpen, Laguna Verde 2886
- Atylus massiliensis*,**
 Taxonomy New species: ASE, Mediterranean 215
- Aulacantha scolymantha*,**
 Cell division 7158
 Chromosomes 7158
 Ontogeny 7158
 Ultrastructure 7158

***Aulacodiscus kittoni*,**

Algal blooms: PSE, New Zealand 10292

***Aulacomya ater*,**

Growth: PSW, Chile, Isletilla 3413

Shellfish culture: PSW, Chile, Isletilla 3413

***Aulostomus maculatus*,**

Colour 10834

Feeding behaviour 10834

Predation 10834

***Aurelia aurita*,**

Biochemistry: USA, Texas, Corpus Christi 6541

Reproduction: INW, Japan Sea 3913

Symbiosis: ASW, Bahama Is. 7595

Taxonomy: USA, Texas, Corpus Christi 6541

***Australocypris*,**

Terminology 7201

***Austroarcturus*,**

New species: PSW, South Africa Rep. 1426

***Austrobathynellinae*,**

Taxonomy: PSW, South Africa 9276

***Austropotamobius pallipes*,**

Acclimation 8299, 9316

Chemical composition 9316

Enzymes 8300

Fats 9316

Ion transport 8299

Muscular system 9316

Survival 8300

Temperature effects 8299, 9316

Temperature tolerance 8300, 9316

***Automate branchialis*,**

Geographical distribution: ASE, Adriatic 2896

***Aves*,**

Breeding: Sweden, Moeckeln L. 11830

Check lists: ANW, USA, Rhode Island 10659

Check lists: ISW, Persian Gulf 5160

Dams: ANE, Bristol Channel, Severn Estuary 11131

Ecology: British Isles, Berkshire, Freeman's Marsh 5771

Energy budget: Sweden, Moeckeln L. 11830

Estuaries: ANE, Bristol Channel, Severn Estuary 11132

Fisheries: USA, Mississippi R. 4396

Food chains 3155

Glands: ANE, Spitzbergen 10683

Hosts: Romania, Danube Delta 7475

Hosts: USSR, Aral Sea 11990

Life cycle: PSW, Antarctica 11827

Oil pollution: ANE, Europe 3298

Oil pollution: ANE, Norway, Utsira 5421

Oil pollution: ASE, Europe 3298

PCB: ANW, USA, New York 7722

Pollution effects: ANE, British Isles, Scotland, Firth of Forth 9892

Pollution effects Oil pollution: INE, USA, California, San Francisco Bay 604

Predation 3155

Predation: ANE, British Isles, Scotland, Firth of Forth 9892

Production (biological): ANE, Spitzbergen 10683

Reproduction: USA, New York, Montezuma

Natl.Wildl.Refuge 9720

Saline water: ANE, Spitzbergen 10683

Surveys: ISW, Persian Gulf 5160

Trace constituents: ANW, USA, New York 7722

***Avicennia marina*,**

Coral reefs: ISW, Egypt, Arab.Rep. 12156

Epiphytes: ISW, Egypt, Arab.Rep., Ras

Muhammad 11442

Habitat: ISW, Egypt, Arab.Rep. 12156

Mangrove swamps: ISW, Egypt, Arab.Rep. 12156

***Axinella damicornis*,**

Biosynthesis 7173

***Axinella polypoides*,**

Aggregations 10403

Biochemistry 10403

Biosynthesis 7171

Metabolism 7171

Proteins 10403

***Axius serratus*,**

Benthos: ANW, Canada, Nova Scotia, Canso

Strait 10723

Geographical distribution: ANW, Canada, Nova Scotia,

Canso Strait 10723

***Axonolaimidae*,**

Keys: Southeast Asia coasts 1367

Taxonomy: Southeast Asia coasts 1367

***Azolla*,**

Biochemistry 6618

Nitrogen cycle 6618

Symbiosis 6618

***Azotobacter*,**

Geographical distribution: ASW, USA, Florida 10976

Nitrogen cycle: ASW, USA, Florida 10976

Primary production: ASW, USA, Florida 10976

***Azotobacter agilis*,**

Cultures: Poland, Olawa R. 2485

Enzymes: Poland, Olawa R. 2485

***Azygia lucii*,**

Life cycle 10858

Parasites 10858, 12015

Seasonal variations 12015

***Babylonia japonica*,**

Poisons (biological) 7755

***Bacillariophyceae*,**

Abundance: ASE, Egypt, Arab Rep, Bardawil

Lagoon 11467

Abundance: ISE, Peru Current 5346

Biochemistry 9945

Check lists: ANE, German Bight 11473

Check lists: Argentina, Chubut, Puelo L. 3845

Check lists: Czechoslovakia, Bohemia, Rezabinec

Reservation 8099

Check lists: USA, Delaware, Canary Creek 10288

Chemical composition: ANE, British Isles, Severn

Estuary 12233

Community composition: ASE, Egypt, Arab Rep,

Bardawil Lagoon 11467

Community composition: ISE, Peru Current 5346

Fossils: Alaska, Kenai Peninsula 5768

geographical distribution: ANE, British Isles, Severn Estuary 12233
 geographical distribution: ISE, Peru Current 5346
 geographical distribution: USA, Delaware, Canary Creek 10288
 growth 12227
 growth rate 9630
 habitat: Argentina, Chubut, Puelo L. 3845
 insecticides 12227
 limnology: Poland, Goczałkowice Reservoir 6393
 marine pollution: ANE, British Isles, Severn Estuary 12233
 morphology (organisms): Argentina, Chubut, Puelo L. 3845
 morphology (organisms): Czechoslovakia, Bohemia, Rezabinec Reservation 8099
 lucus 11462
 nitrogen 9630
 soils: ANE, British Isles, Severn Estuary 12233
 phytoplankton: ISEW, Sulu Sea 10933
 phytoplankton: ISW 10933
 pollution effects 12227
 pollution effects: British Isles, Yorkshire, Ribble R. 8762
 ponds: Czechoslovakia, Bohemia, Rezabinec Reservation 8099
 sediment structure 11462
 taxonomy: Canada, Ontario L. 5982
 toxicity 9945
 ultrastructure: Canada, Ontario L. 5982

Bacillariophyta,
 benthos: ANW, Baffin I. 8095
 biogeography: Canada, Labrador 4758
 biological collections: ANW, Baffin I. 8095
 community composition: ANW, Baffin I. 8095
 community composition: Iceland 5344
 ecology: Iceland 5344
 environmental effects: ASW, Florida Straits 5345
 geographical distribution: Canada, Labrador 6426
 indicator organisms 5345
 morphology (organisms): ANW, Baffin I. 8095
 palaeontology: PSE, Antarctic Ocean 5343
 vegetation cover: Iceland 5344

Bacillus,
 biological control Microorganisms 782
 check lists 4737
 reproduction 4737
 sediment analysis: ANE, North Sea 5294

Bacillus firmus,
 Alginates 5963

Bacillus licheniformes,
 Carrageenins 5963

Bacillus megaterium,
 Degradation 10460

Bacillus sphaericus,
 Bacterial diseases Biological control 2030

Bacillus subtilis,
 Biochemistry 3842

Proteins 3842
 Spores 3842
 Toxicity 11996

Bacteria,

Abnormalities 5954
 Abundance: America, Erie L. 8998
 Abundance: ASW, USA, Florida, Biscayne Bay 5465
 Abundance: USSR, Ukraine 5952
 Abundance: World oceans 9768
 Abundance: World tropical regions 10974
 Algal blooms Antibiotics 122
 Amino acids 5416
 Amino acids: AN 11450
 Antibiotics 5948, 7074
 Aquariology: Southeast Asia 11197
 Bioaccumulation 8686
 Biochemistry: A, Atlantic 12266
 Biochemistry: ASE, Black Sea 2484
 Biochemistry: USSR, Mari Lakes 2468
 Biodegradation 4736, 4739, 5493, 8728, 8757, 9838, 11040, 11440
 Biodegradation: ANE, Baltic 8715
 Biodegradation: ANW, Chesapeake Bay 8717
 Biodegradation: ANW, USA, North Carolina 11046
 Biodegradation: ASE, Black Sea 2484
 Biological oxygen demand: USSR, Ural lakes 10932
 Bioluminescence: ISEW, Australia, Queensland Great Barrier Reef 3834
 Biomass 10841
 Biomass: Poland, Sola R. 6394
 Biomass: World tropical regions 10974
 Biosynthesis 11454
 Biosynthesis Biodegradation 483
 Carbohydrates: ANW, USA, Maryland, Baltimore Harbour 4742
 Carbohydrates: PSW, South Africa, Swartveli 13269
 Carbonates: ASE, Black Sea 11319
 Centrifugation 5949
 Chemical pollutants: ANW, USA, Maryland, Baltimore Harbour 4742
 Chlorinity 12269
 Chlorophylls: South Africa, Rietuli Reservoir 10271
 Community composition: ANW, USA, Chesapeake Bay 8079
 Community composition: USA, Tennessee, Reelfoot L. 13333
 Copper 3279, 7638
 Correlation analysis: ANE, British Isles, Scotland, Tay Basin 13411
 Counters 2449, 2453, 8696
 Counters Methodology 1254
 Culture media 5493
 Culture media: ASE, Mediterranean, Gulf of Fos 8736
 Cultures 5266
 Degradation 5419, 8719
 Degradation: INW, Japan, Tokyo Bay 6633
 Development 5266
 Diffusion: ASW, USA, Florida 13425
 Digestive system 11178
 DNA 13401
 Ecology 5948

- Ecosystems 6597, 8666
 Ecosystems: New Zealand, Grasmere L. 9812
 Energy flow 5414
 Energy flow: ASE, Lyon Gulf 4718
 Environmental effects 5254
 Environmental effects: ANW, USA, Chesapeake Bay 8079
 Environmental factors 5201
 Environmental factors: ANE, British Isles, Scotland, Tay Basin 13411
 Enzymes 3049
 Epiphytes 11518
 Eutrophic lakes Algal blooms 122
 Eutrophic lakes Degradation: Switzerland, Mindelsee L. 124
 Eutrophic lakes Oxidation: Canada 67
 Evolution 3049, 9800, 10357
 Filtration 2446, 2449
 Fish culture 9642
 Fish wastes 3831
 Food chains 8686
 Fouling organisms Filtration: USA, Florida 791
 Freshwater pollution 9837
 Gases: USA, Wisconsin, Mendota L. 3800
 Genetics 9800
 Geographical distribution: ANE, North Sea 5180
 Geographical distribution: ANW, Chesapeake Bay, Rhode R. 2881
 Geographical distribution Environmental effects: INW, Japan 329
 Growth 11518
 Heavy metals: ASW, Caribbean 3231
 Ice: USA, Montana, Inland waters 10277
 Indicator organisms: ANW, Chesapeake Bay, Rhode R. 2881
 Indicator organisms: ISEW, Hong Kong, Tolo Harbour 1935
 Indicator organisms Marine pollution: ANW, Chesapeake Bay 1939
 Indicator organisms Oil pollution 3327
 Indicator species 4738
 Industrial wastes Water quality 117
 Inhibitors 11518
 Inhibitors Algal blooms 122
 Insecticides 8728
 Laboratory equipment 9837
 Lagoons 11454
 Lagoons: ASE, Lyon Gulf 4718
 Lakes 11441
 Lakes Nannoplankton 123
 Light microscopy 2449
 Limnology Oxidation: Canada 67
 Marine pollution 4739
 Marine pollution: ASE, Italy, Bari 4309
 Marine pollution: ASE, Italy, Rome 12176
 Mercury 3275
 Metabolism 2482, 5405, 8719, 11040
 Metabolism: PSW, South Africa, Swartveli 13269
 Metabolism Nannoplankton 123
 Metabolism Nitrogen 125
 Methodology 2446, 8696, 9837, 13419
 Methodology: INW, Japan, Tokyo Bay 6633
 Microbial contamination: ANW, Chesapeake Bay 12194
 Microbial contamination: INE, USA, California, Santa Monica Bay 7675
 Microbiological analysis 2449
 Microorganisms 10279
 Microorganisms: America, Erie L. 8998
 Microorganisms: ASE, Yugoslavia 12252
 Microorganisms Algal blooms 122
 Microorganisms Metabolism 123
 Microorganisms Predation 1895
 Morphology (organisms) 5954
 Morphology (organisms): ASE, Mediterranean 11448
 Mortality causes 4741
 New species 3836
 Nitrates: A NE, Belgium, Ostend 5913
 Nitrogen cycle 12269
 Nitrogen cycle: ANE, Belgium, Ostend 5913
 Nitrogen cycle: ISW, Red Sea 12729
 Nutrient cycles 4797
 Nutrient cycles: Italy, Faro L. 11346
 Nutrients (mineral) 13243, 13244
 Nutrients (mineral): USA, South Carolina, Savannah R. 7404
 Nutrition 5266
 Nutrition: PSW, South Africa, Swartveli 13269
 Nutritional requirements 13243, 13244
 Nutritional requirements: ANE, Germany, Fed.Rep., Kiel Fjord 2988
 Nutritional requirements: ASE, Mediterranean 10840
 Oil pollution 9838
 Oil pollution: A, Atlantic 12266
 Oil pollution: ASE, Mediterranean, Gulf of Fos 8736
 Oil pollution Biodegradation 3328
 Oils 4739, 5493, 11040, 11440
 Oils: INW, Japan, Tokyo Bay 6633
 Organic suspended matter: ASE, Black Sea 11319
 Oxidation: A, Atlantic 12266
 Oxidation: USSR, Mari Lakes 2468
 Parasites 5277
 Periphyton: ASE, Black Sea 11319
 Periphyton: USA, Washington, Washington L. 12151
 Pest control Chemical control 3353
 Phenols: ASE, Black Sea 2484
 Phosphates: ANW, USA, Maryland, Rhode R. Estuary 10972
 Photosynthesis: South Africa, Rietuli Reservoir 10271
 Physiology: ASE, Mediterranean 11448
 Physiology: ASE, Mediterranean, Gulf of Fos 8736
 Plankton 3212
 Plankton: ANW, USA, North Carolina 10921
 Plankton: USSR, Baikal L. 7585
 Pollution 13419
 Pollution control 13490
 Pollution effects: ANW, USA, Connecticut 3302
 Pollution effects: ASE, Yugoslavia 12252
 Pollution effects: Poland, Mikolajskie L. 6539
 Pollution monitoring 3239, 3312, 3317, 9837
 Pollution monitoring: INE, USA, California, Santa Monica Bay 7675

Pollution surveys: ANW, Chesapeake Bay 12194
Ponds: USSR, Ukraine 5952
Population density: America, Erie L. 8998
Population density: ANE, North Sea 5294
Population dynamics: Poland, Mikolajskie L. 6539
Population dynamics: USA, Tennessee, Reelfoot L. 13333
Population dynamics Community composition: Spain, Gerona, Vila L. 1283
Population growth 5493
Predation 12270
Pressure effects 5201
Primary production: ANW, USA, North Carolina 10921
Production (biological): ANE, Germany, Fed.Rep., Kiel Fjord 5400
Production (biological): USSR, Baikal L. 7585
Production (biological): World oceans 9768
Production (biological): World tropical regions 10974
Quality control 6892
Rivers 4738, 10269
Salinity effects 2481
Salinity effects: ASW, Colombia, Cienaga Grande de Santa Marta 11913
Sea water 7074
Seasonal variations: ANE, North Sea 5180
Seasonal variations: ANW, Chesapeake Bay, Rhode R. 2881
Seasonal variations: ANW, USA, Chesapeake Bay 8079
Seasonal variations: ANW, USA, Maryland, Baltimore Harbour 4742
Seasonal variations: ANW, USA, Virginia, Chincoteague Bay 13298
Seasonal variations: USA, Tennessee, Reelfoot L. 13333
Sediment analysis: USA, Wisconsin, Mendota L. 3800
Sediment-water interface: USA, Michigan, Wintergreen L. 3833
Selenium 10279, 11441
Sewage 3312
Sewage: ANW, USA, New York 5456
Sewage effluents 12269
Sewage effluents: ASW, USA, Florida 13425
Solar radiation 2476
Staining 2453
Starvation 8087
Stress 8087
Succession: USA, Washington, Washington L. 12151
Sulphates Population parameters 2944
Sulphur 4797
Sulphur: Italy, Faro L. 11346
Sulphur: PS 5918
Survival 2477, 2479
Suspended matter: ANE, British Isles, Humber Estuary 12126
Symbionts 11178, 13401
Symbiosis 3150, 5405, 6602, 7603, 8088, 8674, 9800
Taxonomy: ASE, Mediterranean, Gulf of Fos 8736
Taxonomy Abundance: ASE, Mediterranean, Rhone R. 1279
Temperature effects 2476
Temperature effects: PS 5918

Temperature effects: USA, South Carolina, Savannah R. 7404
Temperature tolerance: USA, Montana, Inland waters 10277
Thermal springs 3836
Thermal stratification Eutrophic lakes: Canada 67
Tolerance 3275
Trophic levels: ANE, Germany, Fed.Rep., Kiel Fjord 5400
Ultrastructure 11441
Vertical distribution: Poland, Kortowskie L. 2949
Vertical distribution: USA, Minnesota, Arco L. 5330
Vertical distribution Environmental effects: Japan, Biwa L. 348
Vitamins 8666
Vitamins: ASE, Mediterranean 10840
Vitamins Biosynthesis 1729
Water analysis (biological): ANW, USA, North Carolina 10921
Water analysis (biological): South Africa, Rietuli Reservoir 10271
Water quality 4738
Water quality: ANE, British Isles, Scotland, Tay Basin 13411
Water treatment 12269
X-rays 11441
Bacteriastrium,
Biological collections: ISEW, Hong Kong 7082
Morphology (organisms): ISEW, Hong Kong 7082
Terminology: ISEW, Hong Kong 7082
Bacteriophages,
Environmental effects 5961
Methodology 13418
Physiology 5961
Pollution monitoring 8790
Survival 8790
Water analysis (biological) 13418
Bacterium halophilum,
Cell division 1268
Badoidei,
Olfactory organs 8340
Baetis,
Gut contents 11986
Bagarius bagarius,
Enzymes 3990
Muscular system 3990
Nervous systems 6196
Pituitary gland 6196
Respiration 3990, 6218
Respiratory organs 6218
Secretory products 6196
Bagridae,
Evolution 5030
Bagrus bayad,
Exploratory fishing: Africa, Rudolf L. 10037
Freshwater ecology: Africa, Rudolf L. 10037
Life cycle: Africa, Rudolf L. 10037
Bagrus meridionalis,
Age composition Growth: Malawi, Malawi L. 1713

Balaenoptera,

Abundance: PS, Antarctic Ocean 9547
 Energy budgets 9504
 Fats 6365
 Fecundity: PS 13326
 Geographical distribution: PS, Antarctic Ocean 9547
 Locomotion 9504
 Migrations 9504
 Population dynamics: PS 13326
 Sexual maturity: PS 13326
 Sexual reproduction: PS 13326

Balaenoptera acutorostrata,

Amino acids 10671
 Chemical analysis 10671
 Enzymes 10671
 Geographical distribution: ASW, Brazil 9455
 Life cycle: ASW, Brazil 9455
 Mathematical models: PS 13832
 Migrations: ASW, Brazil 9455
 Morphology (organisms): ASW, Brazil 9455
 Reproduction: ASW, Brazil 9455
 Reviews: PS 13832
 RNA 10671
 Sexual reproduction: PSE 11848
 Skeleton: PS, Antarctic Ocean 9468
 Stock assessment: PS 13832
 Taxonomy: PS, Antarctic Ocean 9468, 9473
 Yield predictions: PS 13832

Balaenoptera bonaerensis,

Anatomy: PS, Antarctic Ocean 9473
 Taxonomy: PS, Antarctic Ocean 9473

Balaenoptera borealis,

Fats 6366
 Food composition 9639
 Models: PS 13831
 New records: ASE, Spain 2893
 Reviews: PS 13831
 Stock assessment: PS 13831
 Stomach contents 9639
 Yield predictions: PS 13831

Balaenoptera brydei,

Stock assessment: World Oceans 13833
 Subpopulation: World Oceans 13833

Balaenoptera edeni,

Stock assessment: World Oceans 13833

Balaenoptera physalus,

Population dynamics: A, Southern Hemisphere Oceans 13830
 Stock assessment: A, Southern Hemisphere Oceans 13830
 Subpopulation: A, Southern Hemisphere Oceans 13830

Balaenopteridae,

Catch statistics: AN 13834
 Geographical distribution: AN 13834
 Stock assessment: AN 13834
 Stock identification: AN 13834

Balanidae,

Evolution 4175

Palaeontology: Dominican Rep. 4175

Palaeontology: Jamaica 4175

Palaeontology: Trinidad 4175

Balanomorpha,

Morphology (organisms): ASW, Curacao 2696

Balanus,

Biochemistry Eggs 235
 Eggs Amino acids 235
 Seasonal variations Enzymes 236

Balanus amphitrite,

Keys 3970
 Succession: ANE, Netherlands, Delta Area 6391
 Taxonomy 3970
 Temperature tolerance 4434

Balanus balanoides,

Anatomy 6127
 Biochemistry 11694
 Biology 6127
 Chemical analysis 7223
 Electron microscopy 7205
 Electrophoresis 5319
 Enzymes 9257, 11698
 Feeding 11694
 Feeding mechanisms 7205
 Histology 9292
 Marine ecology 6127
 Moulting 9257
 Nauplii 7205
 Polymorphism 5319
 Reproduction 11694
 Reproductive organs 9292

Balanus balanus,

Enzymes 9257
 Moulting 9257

Balanus crenatus,

Symbionts 12159

Balanus eburneus,

Cells 11664
 Glands 4991
 Morphology (organisms) 11664
 Photoreceptors 11664
 Self fertilization 6161
 Ultrastructure 11664

Balanus improvisus,

Antifouling substances: ASE, Black Sea 12302
 Fouling organisms: ASE, Black Sea 12302
 Osmoregulation 7216
 Oxygen consumption: ASE, Black Sea 12301
 Toxicants: ASE, Black Sea 12301

Balanus perforatus,

Parasites 6162

Balanus reticulatus,

New records: ASW, Curacao 2696

Balanus tintinnabulum,

Temperature tolerance: INE, USA, California 6784

Balanus trigonus,

Feeding behaviour 13200

- Light effects 13200
Stimuli 13200
Tidal currents 13200
- Balanus tuberculatus**,
New species: ISEW, Philippines 1447
- Balcis shaplandi**,
Ectoparasites: ISEW, Hong Kong 10871
- Balistes carolinensis**,
New records: ASW, Brazil 9338
- Balistes fuscus**,
Feeding behaviour Learning behaviour: ISW, Aqaba Gulf 1699
- Balistidae**,
Check lists: ASW, Brazil 9338
Marine ecology: ASW, Cuba 12965
Morphology: ASW, Cuba 12965
Red tides Poisons (biological) 756
Taxonomy: ASW, Cuba 12965
- Balkanostenasellus**,
New species: Bulgaria 206
- Bangia**,
Life cycle 10312
Morphology (organisms) 10312
Taxonomy 10312
- Bangiophycidae**,
Taxonomy 4772
- Bankia australis**,
Biochemistry 6104
Nutritional requirements 5416
Sperm 6104
Symbiosis 5416
- Barathronus maculatus**,
New species: ISW 11769
Taxonomy: ISW 11769
- Barbourisia rufa**,
Photosynthetic pigments 7308
- Barbus**,
Swimbladder 8414
Transportation 8414
- Barbus barbus**,
Reproductive behaviour 11935
Spawning 11935
- Barbus calidus**,
Taxonomy: South Africa, Cape Province, Olifants R. 6222
- Barbus conchionius**,
Behaviour Vision 1688
Light Vision 1688
Vision Air-water interface 1688
- Barbus erubescens**,
Morphology (organisms) 6222
New species: South Africa, Cape Province, Olifants R. 6222
- Barbus holubi**,
Schooling behaviour 11946
- Barbus meridionalis**,
Hosts: France, inland waters 8132
- Barbus plebejus**,
Hosts: Turkey, Elazig 7468
- Barbus sarana**,
Fecundity: India, Kolleru L. 13320
Growth: India, Kollera L. 11961
Otoliths: India, Kollera L. 11961
Parasites 4824
Sex ratios: India, Kolleru L. 13320
Sexual maturity: India, Kolleru L. 13320
Spawning: India, Kolleru L. 13320
- Barbus sophor**,
Histochemistry 11822
Skin 11822
- Barbus tor**,
Gear selectivity: India, Govindsagar Reservoir 4452, 5572
- Bartholomea annulata**,
Symbiosis: ASW, Bahama Is. 7594
Symbiosis: ASW, Panama 219
- Barypeithes pellucidus**,
Food organisms: USA, Pennsylvania 11979
- Barytelphusa cunicularis**,
Acclimation 11693
Nervous systems 3978
Physiology 3978
Salinity effects 11693
Temperature tolerance 11693
- Basiaeschna janata**,
Pesticides Toxicity 1999
- Basommatophora**,
Abundance: World Waters 11875
Geographical distribution: World Waters 11875
Growth rate 5234
Temperature effects 5234
- Bassobythites brunswigi**,
Morphology: ISEW, Pescadores Is. 11736
New records: ISEW, Pescadores Is. 11736
- Bathyclupea elongata**,
New species: ASE 6236
- Bathyclupeidae**,
Morphology 6236
- Bathyconchoecia arctica**,
New species: PN, Arctic 11651
- Bathyconchoecia lacunosa**,
Morphology (organisms): ISW, Arabian Sea 3955
- Bathyconchoecia septemspinosa**,
Morphology (organisms) 2689
Ontogeny 2689
- Bathygobius**,
Electrophoresis: ASW, Panama 10590
Evolution: ASW, Panama 10590
Evolution: ISE, Panama 10590
Genetics: ASW, Panama 10590
- Bathynella**,
Biocenosis: America, Amazon R. 6553
Ecology: America, Amazon R. 6553

Bathynomus,

New species: PSE, Australia, New South Wales 4956

BathypHYsa sibogae,

Morphology (organisms): ASW, Sargasso Sea 7138

Bathypontia elongata,

Morphology: ASW 10472

Bathypontia kanaevae,

Morphology: ASW 10472

New species: ASW 10472

Batillaria minima,

Dessication 2653

Survival 2653

Batillus cornutus,

Chemical analysis: INW, Japan, Toyama Bay 9258

Fats: INW, Japan, Toyama Bay 9258

Feeding: INW, Japan, Toyama Bay 9258

Batoidei,

Morphology (organisms) Anatomy 2782

Batophilus brevis,

New records: INW, Kuroshio Current 10708

Batrachemys,

Geographical distribution: ASW, French Guiana 13085

Batrachia,

Muscular systems 10682

Proteins 10682

Speciation 10682

Bdellovibrio,

Growth Ions 1735

Parasites 3012

Bdellovibrio bacteriovorus,

Feeding 7618

Geographical distribution 7618

Beauveria,

Fungal diseases Biological control 784

Beckerella scalaramosa,

Morphology: ISEW, Philippines 9138

New species: ISEW, Philippines 9138

Taxonomy: ISEW, Philippines 9138

Beggiatoales,

Fluorescence Methodology 1257

Microbiological analysis Methodology 1257

Bellator grobovi,

Morphology: PSE 6155

New species: PSE 6155

Bellerochea maleus,

Environmental effects: ASW, Mexico Gulf 9117

Growth rate: ASW, Mexico Gulf 9117

Growth regulators: ASW, Mexico Gulf 9117

Silicates: ASW, Mexico Gulf 9117

Temperature effects: ASW, Mexico Gulf 9117

Bellura gortynoides,

Life cycle 5000

Reproduction 5000

Taxonomy 5000

Belone belone,

Bioaccumulation 5501

Cadmium 3295

Pollution effects 3295

Belontiidae,

Evolution 7277

Reproductive behaviour 7277

Sexual behaviour 7277

Taxonomy 7277

Beneckea natriegens,

Hosts 5961

Salinity tolerance 5961

Benthodesmus elongatus,

Morphology (organisms): INE, USA, California, Moss

Landing 13141

New records: INE, USA, California, Moss

Landing 13141

Benthodesmus neglectus,

New species: ISEW 11745

Benthodesmus suluensis,

New species: ISEW, Sulu Sea 11745

Taxonomy: ISEW 11745

Taxonomy: ISEW, Sulu Sea 11745

Benthopecten chardyi,

New species: AS 158

Berardius,

Anatomy 9474

Geographical distribution 9474

Taxonomy 9474

Berkeleya,

Taxonomy Speciation 1300

Berowra,

Terminology 9364

Berthella tupala,

Biogeography: ASW, South America, Canal Zone 4911

Morphology (organisms) 4911

Beryciformes,

Biogeography: ASW, Brazil 8847

Exploratory fishing: ASW, Brazil 8847

Morphology (organisms) 7241

Taxonomy: ASW, Brazil 8847

Betta splendens,

Aggressive behaviour 2958, 6326, 9590, 10758, 10776, 11931, 13190

Behaviour 5206

Chemoreception 6326, 11931

Learning behaviour 10758

Life cycle 7230

pH 10776

Secretory products 11931

Standardization 9590

Stimuli 5206, 10758

Territorial behaviour 13190

Biancolina obtusata,

New species: INW, Japan Sea 11672

Bifaxaria laganija,

New species 1143

Bifaxaria redieri,

New species 1143

***Biococera tuediae*,**
 Ultrastructure 62 Histochemistry Digestive system 1363

***Biomphalaria*,**
 Competition: Brazil 5304
 Dessication 12284
 Diseases: Africa 4894
 Electrophoresis 4894
 Electrophoresis: Africa 4894
 Hybridization: Brazil 5304
 Parasites 12284

***Biomphalaria alexandrina*,**
 Chemical control Survival 1412
 Oxygen consumption 1412

***Biomphalaria glabrata*,**
 Bioassays 5434
 Biological control 5410
 Diseases 6520, 6521, 6522
 Enzymes 12870
 Fertilization Genetics 19
 Haematology 12870
 Hosts 7474
 Immunology 6520, 6521, 6522, 7474, 12870
 Microorganisms 12870
 Parasitic diseases 7476
 Pollution effects 5430
 Sperm 8211
 Ultrastructure 8211

***Angiostrongylus cantonensis*:** Diseases Environmental effects 1807

***Biomphalaria havanensis*,**
 Immunology: Grenada 4902
 Morphology (organisms): Grenada 4902
 Taxonomy: Grenada 4902

***Biomphalaria pfeifferi*,**
 Calcium 10453
 Ecology 10453
 Nutritional requirements 10453
 Temperature effects: South Africa, Transvaal 7194

***Biomphalaria salinarum*,**
 Enzymes: South West Africa 2625
 Pancreas: South West Africa 2625
 Taxonomy: South West Africa 2625

***Bithynia*,**
 Embryology 11627

***Bithynia inflata*,**
 Population dynamics Seasonal variations: USSR, Siberia, Tomsk 3042

***Bithynia leachi*,**
 Hosts: USSR, Inland waters 2997

***Bithynia tentaculata*,**
 Parasites: British Isles, Inland waters 12014

***Bittium reticulatum*,**
 Growth rate: ASE, Black Sea 5228
 Reproduction: ASE, Black Sea 5228

***Bivalvia*,**
 Boring organisms: ISW, India 4429
 Carbohydrates 11636
 Coral reefs: ISW, India 4429

Dessication 10750
 Enzymes Electrophoresis 202
 Enzymes Speciation 202
 Fats 5672
 Geographical distribution: ISW, India 4429
 Marketing aquatic products: USA 3598
 Metabolism 11636
 Oil pollution 3304
 Resource development: ANW, Canada, Iles-de-la-Madeleine 8838
 Symbionts 10839
 Thermal pollution Temperature tolerance: ANW, Chesapeake Bay 631
 Toxicity 3304
 Vertical distribution: PSE, New Zealand I.Terr., South I. 10750

***Blastocladiaceae*,**
 Check lists: Nigeria 10958
 Community composition: Nigeria 10958

***Blastocladiella emersonii*,**
 Growth rate 4751
 Nucleic acids 4751
 RNA 10276
 Spores 10276

***Blastodinium*,**
 Parasites 7157

***Blenniidae*,**
 Electrophoresis 2784
 Electrophoresis Proteins 285
 Proteins 2784
 Taxonomy 2784
 Taxonomy: ASE, Mediterranean 2760
 Terminology: ASE, Mediterranean 2760

***Blennius*,**
 Behaviour: MED, France, Banyuls-sur-Mer 11944

***Blennius pholis*,**
 Aggressive behaviour 11936
 Bioaccumulation 4353, 4354, 6687
 Oxygen consumption 11936
 Parasites 8601
 Social behaviour 11936

***Blennius ponticus*,**
 Taxonomy 2784

***Blennius rouxi*,**
 Behaviour: MED, France, Banyuls-sur-Mer 11944

***Blepharisma*,**
 Evolution 9208
 Reproduction 9208
 Taxonomy 9208

***Blepharisma japonica*,**
 Polymorphism 9208

***Boccardia*,**
 Life cycle: PSE, Australia, New South Wales 7461

***Boccardia limnicola*,**
 New species: Australia, Victoria, Inland waters 9190

***Boeckella*,**
 Morphology (organisms) 9283
 Sex determination 9283

***Boergesenia foresti*,**

Cytology: ISW, India 1305

***Boetenia*,**

Aquariology 3424

***Boleophthalmus boddarti*,**

Hosts: India, West Bengal, Sundarbans 13303

***Bolocera tuediae*,**

Parasites: ANE, Norway 11993

***Bombina variegata*,**

Geographical distribution: Poland, Inland waters 4084

Sperm 6355

***Bombinidae*,**

Taxonomy 5106

***Bonapartia pedaliota*,**

Geographical distribution 11740

Taxonomy Morphology (organisms) Meristic counts:

AS 11740

Taxonomy Morphology (organisms) Meristic counts:

ISW 11740

***Bonellia viridis*,**

Symbiosis 11998

***Bonnemaisionia asparagoides*,**

Life cycle 2488

Spores 2488

***Boopthora erythrocephala*,**

Biometrics 12930

Larvae 12930

Morphology (organisms) 12930

Seasonal variations 12930

***Boreogadus saida*,**

Population structure: PNW, Barents Sea 12019

***Bosmina longirostris*,**

Environmental effects: USA, Michigan, Frains

Lake 4106

Polymorphism: INE, USA, Washington, Seattle, Union

Bay 8622

Predation: INE, USA, Washington, Seattle, Union

Bay 8622

Seasonal variations: USA, Michigan, Frains Lake 4106

Subpopulation: INE, USA, Washington, Seattle, Union

Bay 8622

Zooplankton Cultures 1888

***Bothriocephalata*,**

Evolution 6533

Geographical distribution: World zoogeographic regions 6533

***Bothriocephalus acheilognathi*,**

Development 7469

Larvae 7469

Life cycle 7469

Parasites 7469

***Bothriocephalus scorpii*,**

Parasitology: ANE, Baltic 12006

***Bothus*,**

Morphology: ASW, Cuba 2771

Taxonomy: ASW, Cuba 2771

***Botryllus schlosseri*,**

Fouling organisms: ASE, Italy, Genoa 4432

Growth rate: ASE, Italy, Genoa 4432

Muscular system 8477

Ultrastructure 8477

***Boulengerula taitanus*,**

Oxygen system Haemoglobin 1596

***Bowerbankia gracilis*,**

Environmental effects 13178

Metamorphosis 13178

Microorganisms 13178

***Brachionus*,**

Animal feed 3402

***Brachionus charini*,**

New species: USSR, Inland waters 11571

Symbionts: USSR, Inland waters 11571

***Brachionus plicatilis*,**

Aquaculture techniques 13611

Culture media 13612

Cultures 13611

Feeds Fish larvae 869

Laboratory culture 849

Marine aquaculture 13612

Pilot-scale culture 849

***Brachiopoda*,**

Biogeography: Australia 8154

Check lists: Israel 11538

Ecology 12148

Fossils 7926

Geographical distribution: ASW, Bermuda 4065

Geographical distribution: PNE, Canada, North West

Territory 7924

Growth rate: ASW, Bermuda 4065

Morphology (organisms): Israel 11538

Morphology (organisms): PNE, Canada, North West

Territory 11537

New species: Australia 8154

New species: PNE, Canada, North West Territory 7924, 11537

Palaeontology: Australia 8154

Palaeontology: Israel 11538

Palaeontology: Israel, Negev 10106

Palaeontology: PNE, Canada, North West

Territory 7924, 11537

Population dynamics Palaeontology 1823

Speciation Allopatric populations 1831

***Brachirus albomaculatus*,**

Morphology (organisms) 8335

Taxonomy 8335

***Brachirus commersoni*,**

Morphology (organisms) 8335

Taxonomy 8335

***Brachycentrus occidentalis*,**

Biological rhythms 7438

Feeding behaviour 7438

Filter feeders 7438

Larvae 7438

***Brachycera*,**

Biochemistry 8319

- cytology 8319
 histology 8319
 homeostasis 8319
Brachydanio rerio,
 bioaccumulation 13447
 biochemistry 7292
 cadmium 13447
 cell division 7292
 chemical toxicants 11078
 chromosomes 7292
 colour 5062
 embryos 13003
 enzymes 13003
 genetics 5062
 larvae 8404
 nervous systems 8404
 oogenesis 7292
 pigments 5062
 pollution effects 13447
 population dynamics 13447
 RNA 7292
 selenium 11078
 skeleton 1512
Brachydeuterus auritus,
 fecundity: ASE, Congo, People's Rep. 1821
Brachyura,
 canned products 7871
 carbohydrates 7871
 colour 7871
 developmental stages 4947
 geographical distribution New records: ISW, Malagasy
 Rep. 1623
 marine ecology: World oceans 6607
 Nauplii: ASE, Black Sea 9291
 Neuston: ASE, Black Sea 9291
 taxonomy: ASE, Black Sea 9291
Bradyetes matthei,
 New records: ANE, Norway 9289
 New species: ANE, Norway 9289
Brama raja,
 skeleton Abnormalities: ASE, Sicily 273
Branchinecta,
 New records: USA, Utah 8512
Branchinecta paludosa,
 Geographical distribution: ANE, Norway 6412
 Geographical distribution: ANE, Norway, Oppland,
 Yelsbotn 9531
 New records: ANE, Norway, Oppland, Yelsbotn 9531
 Ponds: ANE, Norway, Oppland, Yelsbotn 9531
Branchinella sublettei,
 New species: USA, Texas, Inland waters 6139
Branchioglossum minutum,
 New species: ANW, USA, North Carolina, Onslow
 Bay 4759, 5980
Branchiostegus japonicus,
 Ageing methods: INW, Japan 1705
Branchiostoma,
 Taxonomy: ASW, Jamaica 2792
Branchiostoma californiense,
 Respiratory organs 8424
 Ultrastructure 8424
Branchiostoma plataea,
 Geographical distribution: ASW, Brazil, Ilha
 Grande 5138
 Marine ecology: ASW, Brazil, Ilha Grande 5138
Branchiostoma senegalense,
 Horizontal distribution: ASE, Gambia 4068
 Horizontal distribution: ASE, Mauritania 4068
 Horizontal distribution: ASE, Spanish West Africa 4068
Bratislavia,
 New species 7137
 Taxonomy 7137
Brederveldia bidentata,
 New species: ANE, Netherlands 1346
Brevoortia,
 Taxonomy Life cycle 1488
Brevoortia tyrannus,
 Chlorine 7695
 Currents 9864
 Diseases 4155
 Diseases: ANW, USA, Massachusetts 4156, 7459
 Dissolved oxygen 7700
 Feeding: ANW, USA, North Carolina 9792
 Feeding behaviour: A, Atlantic 9598
 Food chains: A, Atlantic 9598
 Gases 9864
 Grazing: A, Atlantic 9598
 Growth rate 6318
 Heavy metals: ANW, USA, North Carolina, Newport
 R. 9865
 Metabolism 6318
 Mortality causes: ANW, USA, Massachusetts 4156,
 7459
 Nitrogen 7700
 Pollution effects: ANW, USA, Massachusetts 7744
 Production (biological): ANW, USA, North
 Carolina 9792
 Salinity effects 6318
 Temperature effects 6318
 Temperature tolerance 7695, 9864
Brissus lateracarinatus,
 Symbiosis 5417
Bryocladia densa,
 New species: ISW, Mozambique 2504
Bryophyta,
 Abyssal zone: British Isles, Scotland, Inland
 waters 11874
 Benthos: British Isles, Scotland, Lakes 12739
 Ecology: British Isles, Scotland, Lakes 12739
 Geographical distribution: British Isles, Scotland, Tweed
 R. 2923, 2924
 Geographical distribution Salinity tolerance 1622
 Habitat: British Isles, Scotland, Inland waters 11874
 Habitat: New Zealand 9539
 Horizontal distribution: New Zealand 9539
 Metabolism 4111
 New records: British Isles, Scotland, Inland

waters 11874
 Photosynthesis 4111
 Salinity effects 4111
 Vertical distribution: New Zealand 9539

***Bryopsis lyngbyei*,**

Taxonomy: ANE, Germany, F.R., Helgoland 11479

***Bryopsis maxima*,**

Growth: INW, Japan 13214
 Seasonal variations: INW, Japan 13214
 Temperature effects: INW, Japan 13214

***Bryopsis plumosa*,**

Growth 5999
 Physiology 5999
 Regeneration 5999

***Bryozoa*,**

Biological collections: ISE, Easter I. 4819
 Biological collections: PSW, Chile, Magellanic Region 4820
 Biology 12781
 Check lists: ANE, British Isles, Scilly Is. 12800
 Feeding mechanisms 9619
 Filter feeders 9619
 Fossils: Canada, Ontario, Toronto 12517
 Geographical distribution: ASW, Brazil, Ilha Grande 5137
 Marine ecology: ASW, Brazil, Ilha Grande 5137
 Morphology 12517
 Morphology (organisms) 13342
 Morphology (organisms): PS, Antarctic Ocean 6018
 New species 12781
 New species: ANE, British Isles, Scilly Is. 12800
 New species: PSW, Chile, Magellanic Region 4820
 Palaeontology 4802, 12781
 Palaeontology: Canada, Ontario, Toronto 12517
 Population density: PSE, New Zealand, Leigh 9619
 Population genetics 13342
 Sediment structure: ASW, Brazil, Ilha Grande 5137
 Surveys: ANE, British Isles, Scilly Is. 12800
 Taxonomy 4802
 Vertical distribution: PSW, Arauco G., Chivilingo 2945

***Buccinum undatum*,**

Fishery industry plants: ANW, Canada, Quebec 8869
 Fishery products: ANW, Canada 8874
 Fishery surveys: ANW, St. Lawrence Estuary 4472, 8841
 Microbial contamination: ANW, Canada, Quebec 8880
 Potential yield: ANW, St. Lawrence Estuary 4472
 Processing fishery products: ANW, Canada, Quebec 8869
 Size distribution: ANW, St. Lawrence Estuary 4472

***Bucephalus*,**

Crassostrea gigas: Parasitic diseases: INW, Korea Rep. 414

***Buenoa confusa*,**

Habitat: USA, Connecticut 5187
 Keys: USA, Connecticut 5187
 Larvae: USA, Connecticut 5187

***Bufo*,**

Environmental effects: Japan, Nara Prefecture, Mt. Ohdaigahara 6357

Larvae: Japan, Nara Prefecture, Mt. Ohdaigahara 6357
 New records: Japan, Gifu Prefecture, Neo-Nishitani R. 6357

River flow: Japan, Nara Prefecture, Mt. Ohdaigahara 6357
 Subpopulation: Japan, Nara Prefecture, Mt. Ohdaigahara 6357

***Bufo alvarius*,**

Glands 8431
 Poisons (biological) 8431

***Bufo americanus*,**

Audition 1693
 Auditory organs 1693
 Hosts: USA, Michigan, McCormick Experimental Forest 7144
 Nervous systems 1693
 Vocal behaviour 1693

***Bufo arenarum*,**

Acids 9498
 Biosynthesis 9498
 Chemical composition 8435
 Eggs 8435
 Embryology 9498
 Endocrinology 9386
 Fats 9498
 Fertilization 8435
 Hormones 6378
 Metabolism 9386
 Oogenesis 9386
 Pituitary gland 6378

***Bufo boreas*,**

Heavy metals: USA, Colorado, Clear Creek County 11080
 Industrial wastes: USA, Colorado, Clear Creek County 11080
 Insecticides 6702
 Larvae: USA, Colorado, Clear Creek County 11080
 Pollution effects 6702
 Toxicity: USA, Colorado, Clear Creek County 11080

***Bufo bufo*,**

Histochemistry 8460
 Hormones 8460, 11842
 Immunology 8460
 Inhibitors 11842
 Larvae 11842
 Ontogeny 11842
 Predation 10985
 Vision 5221

***Bufo marinus*,**

Anatomy 8426
 Blood circulation 8426
 Electron microscopy 8426
 Immunology 7340
 Respiratory organs 8426

***Bufo mauritanicus*,**

Geographical distribution: Tunisia 8452
 Temperature effects: Tunisia 8452
 Thermoregulation: Tunisia 8452

- fo melanostictus*,
Increas Histology 2868
- fo regularis*,
Geographical distribution: Tunisia 8452
Parasites 4157
- fo vulgaris*,
Immunology 8462
Morphology 8462
- gula neritina*,
Embryos 3909
- halbochaete hiloensis*,
Cell division 5987
Production 5987
Zoores 5987
- halbdacnitis alpinus*,
New species: Canada 9657
- limulidae*,
Biological collections 11591
- linus*,
Biochemistry Speciation 203
Breeding Genetics 196
Electrophoresis Biochemistry 203
Hybrids: Kenya, Inland waters 13149
Immunology: Algeria 187
- linus globosus*,
Temperature effects: South Africa, Transvaal 7194
- linus sericinus*,
Morphology (organisms) Taxonomy 182
- linus truncatus*,
Assays 5434
Endocrine glands 7191
Growth rate Population dynamics: Egypt, Arab
Rep. 3043
Hormones 7191
New records: Kenya, Inland waters 13149
Parasitic diseases 5542
Population control: Egypt, Arab.Rep. 5542
- llia digitalis*,
Locomotion 9595
- monocotyle sudatlantica*,
Host-parasite systems: ASW, Brazil, Salvador 10368
New species: ASW, Brazil, Salvador 10368
Parasites: ASW, Brazil, Salvador 10368
- urnatia anneandra*,
Aquatic plants 7096
Histology 7096
- otomus umbellatus*,
Anatomy 11486
Aquatic plants 11486
Cell division 11486
Cells 11486
- ythinea*,
Geographical distribution: Yugoslavia, Inland
waters 12851
Morphology (organisms) 4893
Taxonomy 4893
Taxonomy: Yugoslavia, Inland waters 12851
- Caballerocotyla klawei*,
Parasites 12396
- Cabillus anchialinae*,
Morphology: ISW, Egypt, Arab Rep., Ras
Muhammad 5034
New species: ISW, Red Sea, Sinai Peninsula 6220
- Cachonina illdefina*,
Algal blooms: INE, USA, California 12752
Morphology (organisms): INE, USA, California 12752
New species: INE, USA, California 12752
- Caedobacter taeniospiralis*,
DNA 9108
Genetics 9108
Polymorphism 9108
Symbionts 9108
- Caenorhabditis briggsae*,
Aging methods 9235
Biosynthesis 9235
Models 9235
- Caenostheria davidi*,
Hosts: USSR, Inland waters 11571
Symbionts: USSR, Inland waters 11571
- Caespitella pascheri*,
Light effects 10752
- Caiman crocodilus*,
Anatomy 5105
Auditory organs 11853
Morphology 11853
Nervous systems 5105
Respiration 13113
- Caiman latirostris*,
Chemical analysis 13105
Electrophoresis 13105
Haemoglobin 13105
- Caiman yacare*,
New species: Bolivia, Mamore R. 2844
Taxonomy: Bolivia, Mamore R. 2844
- Calamoecia*,
Morphology (organisms) 9283
Sex determination 9283
- Calamoecia lucasi*,
Feeding 4150
Respiration 4150
- Calamopora*,
Taxonomy 10371
- Calamus bajonado*,
Exploratory fishing: ASW, Campeche Bank 2177
Feeding Seasonal variations: ASW, Campeche
Bank 2177
Population dynamics Seasonal variations: ASW,
Campeche Bank 1817
Population studies Seasonal variations: ASW, Campeche
Bank 2177
Sex ratios: ASW, Campeche Bank 1817
Size distribution: ASW, Campeche Bank 1817
Water temperature Seasonal variations: ASW, Campeche
Bank 2177

***Calamus brachysomus*,**

Growth rate: ISE, Peru 9671

Spawning seasons: ISE, Peru 9671

***Calanoida*,**

Community composition: Sweden 6571

Horizontal distribution: ISE 3058

Vertical distribution: ISE 3058

***Calanoidea*,**

Zooplankton: Bangladesh, Kinjher L. 9714

***Calanus*,**

Ecosystems: ANE, North Sea 8634

Feeding: ANE, North Sea 8634

Food organisms 10684

Models: ANE, North Sea 9810

Predation: ANE, North Sea 8634, 9810

***Calanus finmarchicus*,**

Abundance: ANE, Norway 12065

Abundance: ANE, Norwegian Basin 5341

Age composition: ANE, Norwegian Basin 5341

Biomass: ANE, Norway 9703

Energy budgets 13356

Experimental fishing: ANE, Norway 9703

Feeds: ANE, Norway 9703

Starvation 13356

***Calanus helgolandicus*,**

Artificial feeding 7451

Feeding 7445

Food chains 6710

Food conversion 11958

Grazing 7445

Growth rate 11958

Hydrodynamics 2955

Locomotion 2955, 2956

Mathematical models 2955

Metabolism 7451

Models 2955

Morphology (organisms) 2956

Oils 6710

Photography 2956

***Calanus minor*,**

Size distribution: ASE, Athens Gulf 12020

***Calceostoma calceostoma*,**

Parasites: ASE, Tunis Gulf 7134

***Calceostomatidae*,**

Life cycle: ASE, Tunis Gulf 7134

Taxonomy: ASE, Tunis Gulf 7134

***Calceostomella inermis*,**

Parasites: ASE, Tunis Gulf 7134

***Caledoniella montrouzieri*,**

Symbiosis: ISW, Thailand 3151

***Calidichthys inornatus*,**

New species: ISW 7264

***Caligus kurochkini*,**

New species: ISW, Great Australian Bight 2682

Parasites: ISW, Great Australian Bight 2682

Taxonomy: ISW, Great Australian Bight 2682

***Calliactis androgyna*,**

New species: ASW 4045

Taxonomy: ASW 4045

***Calliactis conchicola*,**

Morphology (organisms): PSE, New Zealand 7148

Stimuli 7601

Symbiosis 7601

***Calliactis parasitica*,**

Fats 9004

Inhibitors 10415

Locomotion 10778

Models 10416

Muscular system 10415, 10416

Nervous systems 10415, 10416, 10778

Social behaviour 10778

Stimuli 10415

***Callianassa*,**

Geographical distribution: PSW, South Africa

Rep. 9520

Horizontal distribution: PSE, Australia, Victoria, Port

Phillip Bay 7209

***Callianassa arenosa*,**

New species: PSE, Australia, Victoria, Port Phillip

Bay 7209

***Callianassa armata*,**

New records: ISW, Mauritius 9520

***Callianassa australiensis*,**

New species: PSE, Australia, Victoria, Port Phillip

Bay 7209

***Callianassa californiensis*,**

Hosts: USA, California 8603

Hosts: USA, Washington 8603

Moulting 11702

Oxygen consumption 11702

Respiration 11702

X-rays Avoidance behaviour 372

***Callianassa ceramica*,**

New species: PSE, Australia, Victoria, Port Phillip

Bay 7209

***Callianassa indica*,**

New records: ISW, Mauritius 9520

***Callianassa limosa*,**

New species: PSE, Australia, Victoria, Port Phillip

Bay 7209

***Callianassa major*,**

Breeding: ANW, USA, North Carolina 9297

Fossils: ANW, USA, North Carolina 9297

***Calliarthron tuberculosum*,**

Environmental effects 5981

Morphology (organisms) 5981

***Callinectes sapidus*,**

Artificial spawning 13732

Bacterial diseases: ANW, USA, Virginia, Chincoteague

Bay 13298

Biochemistry 5676

Blood 7222

Cytology: ANW, USA, Virginia, Chincoteague

Bay 12003

Disease control Drugs 1792
Diseases 8298
Electron microscopy 13902
Environmental factors 10521
Enzymes 11595
Fisheries data: ASW, USA, Mississippi Sound 8850
Fishery biology: ANW, USA, Mississippi 7862
Freezing storage 13902
Gases 8298
Microbial contamination Bacterial diseases 410
Morphology (organisms): ASW, Mexico Gulf 12877
Morphology (organisms): ASW, USA, Florida 12877
Mortality: ASW, Mexico Gulf 8751
Muscular system 8256, 13902
New records: ASE, Black Sea 1618
Osmoregulation 7222
Osmoregulation Salinity 227
Osmoregulation Water temperature 227
Oxygen consumption 10521
Parasites: ANW, USA, Virginia 10863
Pesticides: ASW, Mexico Gulf 8751
Physiology 8256, 11595
Preservation (fishery products) 5676
Processing fishery products 4524, 5676
Quality control 13917
Rearing 13732
Respiration 4987
Respiratory pigments Respiration 2713
Salinity effects 4987, 10521, 11595
Salinity effects Respiratory pigments 2714
Salinity tolerance 7222
Seasonal variations: ANW, USA, Virginia, Chincoteague Bay 13298
Shellfish fisheries: ANW, USA, Mississippi 7862
Storage effects 13917
Temperature effects 10521
Temperature effects: ASW, Mexico Gulf 8751
Temperature tolerance Osmoregulation 631
Ultrastructure 8256
Viral diseases: ANW, USA, Virginia, Chincoteague Bay 12003

***Callionymus*,**

Keys: ISEW, Australia, Queensland 9385

***Callionymus russelli*,**

Morphology (organisms): ISEW, Australia, Queensland 9385

New species: ISEW, Australia, Queensland 9385

***Calliostoma*,**

Feeding 5268

Stomach contents 5268

***Callista chione*,**

Annual variations: ASE, Italy 6473

Fossils: ASE, Italy 6473

Growth rate: ASE, Adriatic 6473

***Callistochiton portobelenis*,**

Morphology (organisms): ASW, Panama, Portobelo 7179

New species: ASW, Panama, Portobelo 7179

***Callithamniella*,**

Taxonomy 11477

***Callitriche hamulata*,**

Metabolism 3852

Nitrates 3852

Nutrients (mineral) 3852

***Callogobius okinawae*,**

Morphology (organisms): INW, Japan, Kagoshima Prefecture 9368

Terminology: INW, Japan, Kagoshima Prefecture 9368

***Callogobius trifasciatus*,**

Morphology: ISW, Andanam Is., Mayabunder 9370

New species: ISW, Andanam Is., Mayabunder 9370

Taxonomy: ISW, Andanam Is., Mayabunder 9370

***Callorhinchus callorhynchus*,**

Anatomy 5031

Circulatory system 5031

***Callorhinus ursinus*,**

Chromosomes Taxonomy: INW, Okhotsk Sea 1583

Geographical distribution: IN 13842

Growth rate: INE 6362

History: IN 13842

Length-weight relationships: INE 6362

Marine ecology: IN 13842

Metals Detoxication 1591

Resource management: IN 13842

Stock assessment: IN 13842

***Callyspongia*,**

New species: INW, Japan, Shikoku, Anan 2572

***Calonitophyllum medium*,**

Terminology 5969

***Calopteryx*,**

Geographical distribution: USA, West Virginia 11710

Larvae: USA, West Virginia 11710

Morphology (organisms): USA, West Virginia 11710

***Calyptocephalella caudiverbera*,**

Bibliographies: Chile 6345

Biology: Chile 6345

***Camallanus oxycephalus*,**

Life cycle 7131

Parasites 7131

***Cambaridae*,**

Calcium 12917

Check lists: USA, Inland waters 3963

Crayfishes Check lists: North America 222

Exoskeleton 12917

Geographical distribution: USA, North Carolina 2692

Magnesium 12917

Morphology (organisms): USA, North Carolina 2692

Moulting 12917

New species: USA, North Carolina 2692

***Cambarus*,**

Nerves 10500

Regeneration 10500

Ultrastructure 10500

***Cambarus batchi*,**

Colour: USA, Kentucky 8250

Ecology: USA, Kentucky 8250

Life cycle: USA, Kentucky 8250

New species: USA, Kentucky 8250

- Cambarus robustus*,**
Radioactive wastes: USA, New York 11082
- Campanularia johnstoni*,**
Regeneration 9239
- Camptoplites lutaudae*,**
New species 1143
- Cancellariidae*,**
Check lists: Australia coasts 9245
New species: Australia coasts 9245
Taxonomy 2634
Taxonomy: Australia coasts 9245
- Cancer anthonyi*,**
Bioaccumulation: INE, USA, California 13460
Pollution effects: INE, USA, California 13460
- Cancer irroratus*,**
Eggs 10490
Embryology 10490
Experimental fishing: ANW, Canada 8817
Heavy metals 7437, 10490
Metabolism 7437, 10490
- Cancer magister*,**
Amino acids 8281
Bioassays 12237
Mortality causes 12333
Nutritional requirements 8281
Rearing 8281
Survival 12333
- Cancer pagurus*,**
Acids 4995
Biochemistry 8282
DNA 7213, 8282
Fats 1461
Fisheries regulations: ANE, British Isles, Yorkshire 10086
Fisheries statistics: ANE, British Isles, Yorkshire 10086
Genetics 7213
Metabolic rate 9621
Plutonium 12242
Proteins 4995
Radioactive pollution 12242
Skeleton 4986
- Cancerilla oblonga*,**
New species: PSW, South Africa Rep. 2677
Parasites: PSW, South Africa Rep. 2677
- Candelabrum brocchiatum*,**
New species: Japan 7078
- Candida*,**
Water analysis (biological) Community composition: USSR, Ukraine 1899
- Candida albicans*,**
Fungal diseases 2998
Parasites 2103
- Candida subtropicalis*,**
Oil pollution Biodegradation 704
- Candona matrix*,**
New species: Poland 12879
- Candona mira*,**
New species: Poland 12879
- Candona slesiniaca*,**
New species: Poland, Poznan Province, Slecinskie L. 10474
- Candonocypris assimilis*,**
New records: Japan 769
- Canthigaster valentini*,**
Muscular systems Taxonomy 1528
- Caobangiidae*,**
Morphology (organisms) 2566
Taxonomy 2566
- Caphyra*,**
Taxonomy: ISW 1437
- Capitella*,**
Chemical toxicants 9894
Mercury 9894
- Capitella capitata*,**
Detritus feeders 4149
Heavy metals: INE, USA, California 8780
Oil pollution 7712
Pollution effects 7712
Pollution effects: INE, USA, California 8780
- Capnella imbricata*,**
Biochemistry 9238
- Capoeta capoeta*,**
Hosts: Turkey, Elazig 7468
- Caprella*,**
Geographical distribution: INW, Korea 9534
New records: INW, Korea 9534
- Caprella equilibra*,**
New records Symbiosis: ANW, USA, Massachusetts, Mt. Hope Bay 1628
- Caprellidea*,**
New species: PSW, South Africa Rep. 9275
Taxonomy: PSW, South Africa Rep. 9275
- Caprodon unicolor*,**
Taxonomy New species: ISE, Midway Is. 1505
- Carabidae*,**
Habitat: Canada, Quebec 7226
Marshes: Canada, Quebec 7226
- Carangidae*,**
Biology Population dynamics: ASW, Jamaica 256
Check lists: ASW, Brazil 2755
Keys: ASW, Brazil 2755
Taxonomy: ASW, Jamaica 256
Terminology: ASW, Brazil 2755
- Carassius auratus*,**
Acclimation 1552, 6281, 9443
Anaesthetics 13051
Audition 7303
Bacterial diseases: Brazil 11995
Behaviour 11926
Bioaccumulation 5464
Bioassays 7732, 9885
Biochemistry 6309, 9443, 12236
Biometrics: Romania, Nitra R. 11723
Biosynthesis 11926
Blood cells 7243, 10648
Brain 9443, 10768, 11926

Cadmium 6649, 12236
Chemical control 11938
Chemoreception 10754
Chromium 9884
Controlled conditions 10759
Courtship 10754
Digestive system 7243
Eggs 11938
Environmental effects 10784
Enzymes 6304
Excretion 11076
Eyes 6325, 12969
Eyes Chemical pollutants 1574
Eyes Ultrastructure 2785
Feeding behaviour 2957
Fish culture 13645
Growth: Romania, Nitra R. 11723
Haemoglobin 6281
Heart Pollution effects 1976
Heavy metals Pollution effects 639
Histology 12969
Hormones Artificial spawning 2801
Immunology 10648
Inhibitors 4124
Inhibitors Heart 1976
Learning behaviour 1692, 4124, 10759, 10768, 10784, 10786, 11926
Locomotion 10756
Meristic counts: Romania, Nitra R. 11723
Metabolism 5066, 6304
Methodology 10784
Nervous systems 9352
Oxygen consumption Temperature tolerance 1552
Parasites: USSR, Kazakhstan 6527
PCB 7709
Pesticides 9884
Phenols 11076
Physiology 5464
Pigments 6309
Pollutants 8746
Pollution effects 7732, 11076, 12236
Predation Zooplankton 1741
Proteins 6325
Radioactive pollution 6649
Radioactive tracers 6325, 7709
Regeneration 6325
Reproduction: Romania, Nitra R. 11723
Reproductive behaviour 10754, 11938
Salinity effects 9884
Serological studies Fatigue 2818
Spawning 11938
Stimuli 10754, 10756, 10759
Survival Starvation 1746
Temperature effects 5066, 9443
Toxicants 9885
Toxicity 8746
Vision 10756
Zinc 6649

Carassius carassius,

Aquaculture 13704
Biochemistry 2825

Enzymes 9446
Genetics 13704
Histology Nervous systems 2825
Hybridization 13704
Nervous systems 5027
Parasites: USSR, Kazakhstan 6527
Ultrastructure 5027

Carassius langsdorffii,

Eutrophication Production (biological): Japan, Okayama Prefecture, Kojima L. 469

Carcharhinidae,

Morphology (organisms): PSW, South Africa 2744

Carcharhinus milberti,

Biochemistry: ISE, Hawaii, Kealakakua Bay 6294

Carcinus maenas,

Acclimation 8294
Bacterial diseases 12007
Biochemistry 6170
Blood 4990
Calcium 8294
Carbon dioxide 8293
Cells 10501
Chemical composition 10510
Cycles 6168
Electron microscopy 8266
Enzymes 6165
Feeding 8576
Glands 6168, 6170, 10501
Growth 8576
Heart 9307
Heavy metals 7437, 11093
Histology 6170
Life cycle 4129
Metabolic rate 9621
Metabolism 7437
Moulting 4129, 10510
Muscular system 8266
Osmoregulation 8294, 9302, 9307
Oxygen consumption 8301
pH 4990
Phototaxis 11093
Pollution effects 8759
Radioactive pollution 7682
Respiration 4990
Salinity effects 9307
Salinity tolerance 9302
Skeleton 8266
Spermatogenesis 6165
Symbionts 12159
Temperature 9302
Temperature effects 8301
Ultrastructure 6165, 10501
Viruses 10988

Carcinus mediterraneus,

Chemical composition 10503
Circadian rhythm: ASE, Venice Lagoon 11939
Locomotion: ASE, Venice Lagoon 11939
Parasites 10503
Proteins 10503
Sacculina carcini: Reproductive organs Parasites 402

***Cardisoma carnifex*,**

Proteins 8287
Serological studies 8287

***Cardisoma guanhumi*,**

Ageing methods 10767
Aggressive behaviour 10767
Moulting 10767
Reproduction 10767
Sexual maturity 10767

***Cardium*,**

Ecology 3928
Morphology (organisms) 3928, 4892
Size 4892
Speciation 3928
Subpopulation 4892
Taxonomy 3928, 4892

***Cardium edule*,**

Anaerobic respiration 8219
Chemical composition 6436
Chemical pollutants 13485
Digestive system 6510
Parasites 6510
Pollution effects 13485

***Cardium lamarcki*,**

Respiration 9096

***Caretta caretta*,**

Fishery biology: ASW, Caribbean 811

***Carex*,**

Evolution 11475
Morphology (organisms) 11475
Taxonomy 11475

***Carex aquatilis*,**

Nitrogen: Alaska 7439

***Caridina nilotica aruensis*,**

Development 12900
Growth 12900
Rearing 12900

***Carinaria lamarcki*,**

Morphology Geographical distribution: ANE 2906

***Carinariidae*,**

Electron microscopy: AN 4898
Morphology (organisms): AN 4898

***Carneophallus brevicaca*,**

Life cycle Parasites 1797

***Carpinus*,**

Feeding behaviour: India, Kanpur 8831
Inland fisheries: India, Kanpur 8831

***Carpoides cyprinus*,**

Hosts: USA, Pennsylvania, Susquehanna R. 8156

***Carteria*,**

Chlorophylls 9702

***Carterina spiculotesta*,**

Anatomy 9182, 11555
Chemical composition 11555
Morphology (organisms) 9182

***Caryocrinites*,**

Development 7143

Morphology (organisms) 7143

Palaeontology 7143

***Caryophyllaeus brachycollis*,**

Life cycle: France, inland waters 8132
New record: France, inland waters 8132

***Caryophyllaeus laticeps*,**

Parasites: Sweden, Drottningholm, Malaren L. 12038
Population dynamics: Sweden, Drottningholm, Malaren L. 12038

***Caryophyllia smithii*,**

Larvae 7596
Symbiosis 7596

***Casearia articulata*,**

Morphology (organisms): Germany, Fed.Rep., Wuertemberg 4833
Skeleton 4833

***Casmarium impressulum*,**

Antibiotics 11518

***Cassidaria echinophora*,**

Acids 7187
Secretory products 7187

***Cassiopea xamachana*,**

Environmental effects 13178
Metamorphosis 13178
Microorganisms 13178

***Castor*,**

Migrations: USA, Arizona 13078
New records: USA, Arizona 13078
Ponds: USA, Arizona 13078

***Cataetx laticeps*,**

Reproduction rate Biological rhythms 279

***Catla catla*,**

Artificial feeding 13695
Bacterial diseases 13297
Disease control 13297
Fish culture: Lybia 13652
Growth 13695
Growth rate: India, Madhya Pradesh, Kulgarhi Reservoir 13222
Taste organs 2794

***Catonotus*,**

Reproductive behaviour 6248

***Catonotus kennicotti*,**

Terminology 6207

***Catostomus*,**

Life cycle: USA, Utah, Weber R. 10594
Reproductive organs: USA, Utah, Weber R. 10594
Seasonal variations: USA, Utah, Weber R. 10594
Sexual reproduction: USA, Utah, Weber R. 10594

***Catostomus commersoni*,**

Blood cells: Canada, Ontario, Louisa L. 6517
Cytology 5023
Embryology 10591
Histology: Canada, Quebec, Gamelin L. 9396
Morphology (organisms) 10591
Ovaries: Canada, Quebec, Gamelin L. 9396
Parasitic diseases: Canada, Ontario, Louisa L. 6517

- erological studies 5067
 Sexual maturity: Canada, Quebec, Gamelin L. 9396
 Temperature effects 10591
 Temperature effects: America, Erie L. 6707
 Testes: Canada, Quebec, Gamelin L. 9396
 Thermal pollution: America, Erie L. 6707
 Ultrastructure 5023
Enterobacteriaceae: Symbionts: America, Great Lakes 13400
Eutostomus platyrhynchus,
 Hermaphrodites: USA, Montana, East Gallatin R. 6247
Eudata,
 Anatomy 8433
 Classification systems 8433
 Evolution 8433
 Nerves 8433
 Skeleton 8433
Eudofoveata,
 Geographical distribution: ANE, Norway, Bergenfjord 1643
Eulerpa,
 Habitat: ISW, Red Sea 4069
 Morphology (organisms): ISW, Red Sea 4069
 Ontogeny 9143
 Photosynthetic pigments 9143
 Ultrastructure 9143
Eulerpa peltata,
 Sexual reproduction: INW, Japan 11500
Eulerpa racemosa,
 Habitat: INW, Japan, Amami Is., Yoron I. 10440
 Lethal limits 13439
 Photosynthesis 13439
 Respiration 13439
 Temperature effects 13439
Eulerpa simpliciuscula,
 Photosynthesis 9159
Evolinia inflexa,
 Locomotion 4887
 Morphology (organisms) 4887
Evolinidae,
 Shells Morphology 1407
Gellana ornata,
 Physiology Environmental effects 1414
Gellarinella laminata,
 New species: PSW, Antarctica, Greenwich Is., Bahia Chile 2548
Gellarinellidae,
 Keys 2548
Gentrarchidae,
 Condition factor: USA, South Carolina 8750
 Feeding behaviour: USA, South Carolina 8750
 Stomach contents: USA, South Carolina 8750
 Temperature tolerance: USA, South Carolina 8750
 Thermal pollution: USA, South Carolina 8750
Centropages caribbeanensis,
 Morphology (organisms): ASW, Mexico Gulf 12890
 Taxonomy: ASW, Mexico Gulf 12890
Centropages typicus,
 Chemical composition: ASE, Mediterranean 8284
 Size distribution: ASE, Athens Gulf 12020
Centropogon australis,
 Life cycle Geographical distribution: Australia coasts 2747
Centropomidae,
 Anatomy 3998
 Fossils 3998
 Taxonomy 3998
Centropomus poeyi,
 Biology 8324
 Spawning migrations 8324
Centroptilum,
 Light effects: Ghana, Pawmpawm R. 6439
Centropyge resplendens,
 Geographical distribution: ASE, Ascension I. 5018
 New species: ASE, Ascension I. 5018
Centropyxis discoides,
 Morphology (organisms) 4809
 Shells 4809
Centrostephanus longispinus,
 Chromatic behaviour 7174
 Geographical distribution: ASE, Genoa Gulf 11541
 Habitat: ASE, Genoa Gulf 11541
 Pigments 7174
Cephalopoda,
 Fossils: New Zealand, Kaipara 13953
Cephalaspidea,
 Taxonomy New species: AN 1402
Cephalochordata,
 Anatomy 9092
Cephalopoda,
 Biochemistry 2640
 Catching methods 3498
 Cells 10433
 Check lists 11980
 Check lists: ASE, Sicily 10719
 Check lists: INW 5624
 Check lists: ISEW 5624
 Check lists Abundance: ASE, Italy 1391
 Collections (biological): ASE, Sicily 10719
 Ecology: ASE, Mediterranean 11638
 Electron microscopy 8212
 Evolution 3615, 6080
 Fats: ASE, Mediterranean 11638
 Feeding behaviour 8212
 Fish meal 13207
 Fisheries resources: ANW, USA 6849
 Fishery products 3498
 Fishery products: Asia 13871
 Fishery surveys: ANW 969
 Fishery surveys: ASE, African coast 12557
 Fishery surveys: INW 5624
 Fishery surveys: ISEW 5624
 Fossils 3615
 Geographical distribution: ASW, USA, Florida 11870
 Geographical distribution: INW, Japan 13140
 Geology: ANW 4587

- Geology: ASW 4587
 Histology 10433
 Keys Mouth parts: INW, Japan 1401
 Larvae: INW, Japan 13140
 Marketing 13871
 Migrations: ANW, USA 6849
 Morphology (organisms) 8212
 Mouth parts 8212, 10433
 Ontogeny 10433
 Otoliths 3615
 Parasites Morphology (organisms) 406
 Pesticides: ANE, Skaggerak 12258
 Processing fishery products Fish protein concentrate 3543
 Proteins 13207
 Quota regulations: Japan 13871
 Rearing 5615
 Red tides Nerves 758
 Sampling (biological): INW, Japan 13140
 Shellfish fisheries: Asia 13871
 Trade: Asia 13871
 Vertical distribution 2941
 Vertical distribution: INW, Japan 13140
- Cephus columba*,**
 Food composition: INE, USA, California 7447
- Ceramiaceae*,**
 Epiphytes: INW, Japan 8513
 Geographical distribution: INW, Japan 8513
- Ceramiales*,**
 Geographical distribution: ANW, USA, North Carolina 10714
- Ceranium*,**
 Biosynthesis 12214
 Nucleic acids 12214
 Pollution effects 12214
 Seaweeds 12214
- Ceranium byssoideum*,**
 Morphology (organisms): ASW, USA, Florida, Anclote Estuary 2497
- Ceranium howei*,**
 New record: INW, Japan 8513
- Ceranium tenuicorne*,**
 Primary production 9753
- Cerastoderma edule*,**
 Growth rate 6081
 Mathematical models 6081
 Population structure 9667
 Seasonal variations 6081
 Tides 6081
- Cerastoderma glaucum*,**
 Anatomy: ASE, Tunisia 11617
 Chlorinity: ASE, Tunisia 11617
 Salt lakes: ASE, Tunisia 11629
 Seasonal variations: ASE, Tunisia 11629
 Sexual reproduction: ASE, Tunisia 11629
 Shells: ASE, Tunisia 11617
 Spawning: ASE, Tunisia 11629
- Ceratium*,**
 Abundance: INW, Japan 12734
- Horizontal distribution Morphology: Sweden, Lake Erken 1857
 Seasonal variations: INW, Japan 12734
 Vertical distribution: INW, Japan 12734
- Ceratium egyptiacum*,**
 Ecology: Egypt, Arab Rep., Suez Canal 4075
 Geographical distribution: Egypt, Arab Rep., Suez Canal 4075
 Indicator organisms: Egypt, Arab Rep., Suez Canal 4075
- Ceratium furca*,**
 Red tides Population parameters: ANW, USA, Maryland 741
- Ceratium hirundinella*,**
 Algal blooms: Poland, Mikolajskie L. 13409
- Ceratomyxa sagarica*,**
 New species: India, West Bengal, Sundarbans 13303
- Ceratomyxa shasta*,**
Oncorhynchus keta: Parasitic diseases New records: INW Canada, British Columbia 1790
- Ceratophyllum*,**
 Habitat: Java, Ranu Lamongan 9330
- Ceratophyllum demersum*,**
 Ecosystems: Netherlands, Vetchen L. 13395
 Seasonal variations: Netherlands, Vetchen L. 13395
- Ceratopogon nives*,**
 New species: Germany, F.R., Hessen, Schlitz 7579
- Ceratopogonidae*,**
 Abundance: Germany, F.R., Hessen, Schlitz 7579
 Production (biological): Germany, F.R., Hessen, Schlitz 7579
- Ceratoscopelus maderensis*,**
 Diffusion 13056
 Oxygen 13056
 Swim bladder 13056
- Cercaria*,**
Mollusca: Parasites Life cycle: USA, Tennessee 1795
- Cercaria anadarae*,**
 New species: ASW, USA, Texas 6033
 Parasites: ASW, USA, Texas 6033
- Cercariaeum*,**
 New species: USA, Michigan 8155
 Parasites: USA, Michigan 8155
- Cerebratulus lacteus*,**
 Chemical analysis 11144
 Mucus 11144
 Toxicity 11144
 Toxins 11144
- Cereus pedunculatus*,**
 Embryology 6050
- Cerianthus iloydi*,**
 Nutrition 9628
- Ceriodaphnia cornuta*,**
 Invertebrate larvae 12907
 Life history 12907
 Reproduction 12907

- iodaphnia*,
 bicides: USA, Wisconsin, Delafield 7733
- iodaphnia quadrangula*,
 od composition 4142
 owth rate 4142
- ithidea californica*,
 eases: INE, USA, California 6531
- ithium litteratum*,
 eck lists: ASW, USA, Florida 11603
 eographical distribution: ASW, USA, Florida 11603
 ew records: ASW, USA, Florida 11603
- ithium moniliferum*,
 atomy: ISEW, Great Barrier Reef 11628
 roduction: ISEW, Great Barrier Reef 11628
 own: ISEW, Great Barrier Reef 11628
- rvimunda johni*,
 n catch statistics: PSW, Chile, Quintero 5638
- toda*,
 asites: ASW, USA, Florida, Biscayne Bay 13299
- trinidadae*: Osmoregulation Parasites 176
- ttodes*,
 es: Fishery biology Parasites 1707
- ttodiscus*,
 y species: I, Pacific 2501
- stoidea*,
 asites: ANE, Reykjanes Ridge 11991
- tacea*,
 gressive behaviour 9469
 dino acids 2459
 omy 2851, 9453, 11838
 iographies 3376
 acoustics 11838
 ology 4034, 4035, 4036, 13064
 ology: Pakistan 4037
 ks 4034, 4035, 4036
 eding: World oceans 6351
 ching methods 3376
 eck lists: ASW, Caribbean Is. 2842
 mmercial species 13847
 nservation 6781, 12297, 13849
 eases 12000
 ymes 2459
 blution 11838, 13341
 s 5672
 dding 9453
 n oils: World oceans 7876
 heries management 13849
 ery industry legislation: World Oceans 5664
 ery management: World oceans 3376, 6351
 ery products 3488
 eographical distribution 13064
 eographical distribution: ANE, British Isles 9536,
 537
 eographical distribution: ANE, France 8506
 eographical distribution: ASE, France 8506
 eographical distribution: ASE, Mauritania 13075
 tory: ANE, British Isles 9537
 tory: INW, Japan, Inland Sea 5099
 s Geographical distribution: ASE, Spain 2893
- Legislation 12297
 Length-weight relationships 9463
 Lesions 9469
 Life cycle 7329, 7330
 Marine ecology 13064, 13065
 Marine ecology: ANE 13117
 Marine ecology: ANW 13117
 Marine ecology: IN, Bering Sea 13117
 Marine ecology: ISE 13117
 Marine ecology: ISE, California Current 13117
 Marine ecology: PS 13117
 Migrations: IN 7384
 Migrations: INW, Japan, Inland Sea 5099
 Mortality rate: ANE, British Isles 9537
 Mouth parts 2851
 Organoleptic properties 5707
 Pelagic zone 13341
 Physiology 9453
 Pollution effects: ASE, Mediterranean 3283
 Quota regulations: South Africa 4505
 Rearing 10680
 Reproductive behaviour 10680
 Research programmes 13065, 13847
 Resource conservation 7329, 7330
 Schooling behaviour 8548
 Size distribution 9463
 Skin 3283
 Sound production (biological) Lipids 1590
 Stock assessment 13064, 13065
 Stock assessment: World Oceans 5664
 Stock assessment: World oceans 10056
 Storage effects 5707
 Tagging: IN 7384
 Taxonomy: Pakistan 4037
 Territorial behaviour 9469
 Upwelling 13341
 Vocal behaviour 1580
 Whaling: ANE 9970
 Whaling: INW, Japan, Inland Sea 5099
 Whaling: USSR 4036
- Cetorhinus maximus*,
 Biology 8498
 Geographical distribution: ANE 8498
 Morphology (organisms): ASW, Mexico Gulf 8498
 New records: ASW, Brazil 5140
 New records: ASW, Mexico Gulf 8498
 Terminology 8498
- Cetostomus regani*,
 Photosynthetic pigments 7308
- Chaborus americanus*,
 Buoyancy Larvae 1481
- Chaenocephalus aceratus*,
 Biometrics: PS, Antarctic Ocean 10606
 Respiration 8385
 Respiration: PS, Antarctic Ocean 10606
 Respiratory organs 8385
- Chaenogobius isaza*,
 Biochemistry Pigments 289

Chaetetoidea,

Palaeontology 7136

Taxonomy 7136

Chaetoceros,

Carbohydrates 10349

Electron microscopy 7081

Morphology (organisms) 7081

Taxonomy 7081

Terminology 7081

Chaetoceros affinis,

Enzymes 4788

Chaetoceros armatum,

Algal blooms Biological rhythms 1673

Growth rate: INE, USA, Washington 13227

Light effects: INE, USA, Washington 13227

Chaetoceros gracilis,

Nutritional requirements Growth regulators: ISE 191

Productivity: ISE 191

Chaetoceros simplex,

Biosynthesis 4785

Fats 4785

Light effects 4785

Ultraviolet radiation 4785

Chaetoderma araucanae,

Morphology (organisms): PSW, Chile, Valparaíso Bay 12850

New species: PSW, Chile, Valparaíso Bay 12850

Chaetodermatidae,

Mouth parts 4890

Chaetodon mitratus,

Morphology: ISW, Mascarene Is. 6224

Taxonomy: ISW, Mascarene Is. 6224

Chaetodon selene,

Juveniles: INW, Japan, Izu Peninsula 8346

Morphology (organisms): INW, Japan, Izu

Peninsula 8346

Chaetodontidae,

Check lists: ISEW, Taiwan 12951

Host-parasite systems: ASW, Brazil, Salvador 10368

Taxonomy: ISEW, Taiwan 12951

Chaetogammarus stoerensis,

New records: ANE, Baltic 6407

New records: ASE, Portugal 1617

Chaetogaster limnaei,

Hosts: USA, Michigan 8155

Reproduction Life cycle: Germany, Fed. Rep.,

Baden-Wuerttemberg, Muehlbach 1760

Symbionts 13307

Chaetognatha,

Biogeography 9524

Geographical distribution: ANE, Eire, Galway Bay 7539

Geographical distribution: ASE, Adriatic 9689

Horizontal distribution: ISE 3058

Marine ecology: ASW 8637

Plankton: ANE, Eire, Galway Bay 7539

Respiration: ISE 3115

Seasonal variations: ANE, Eire, Galway Bay 7539

Seasonal variations: ASW 4181

Vertical distribution: ISE 3058

Vertical migrations: INW, Japan, Suruga Bay 7517

Wind-driven currents Geographical distribution: ASE,

Trieste Gulf 1657

Chaetopeltis,

New records: India 8501

Taxonomy 1301

Chaetophoraceae,

Cultures 8105

Keys 8105

Morphology (organisms) 8105

Polymorphism 9122

Taxonomy 8105

Chaetophorales,

Boring organisms: Poland 11463

Palaeontology: Poland 11463

Chaetopterus pergamentaceus,

Calcium 11576

Oogenesis 11576

Chaetopterus variopedatus,

Feeding behaviour 2583

Muscular systems 2583

Chaeturicys sciitius,*Philometra mariae*: Host-parasite systems 13281**Chamelea gallina,**

Chemical extraction 10452

Enzymes 10452

Growth: ASE, Adriatic 9611

Chanda ranga,

Aquariology 5619

Reproductive behaviour 5619

Spawning 5619

Channa marulius,

Anatomy 12961

Testes 12961

Channa punctatus,

Artificial fecundation 13683

Bioassays 13475

Cytology 13002

Development 13683

Fish larvae 13683

Hormones 13002

Hosts 8592

Life cycle 13683

Muscular system Respiratory organs 1491

Pancreas 13002

Pesticides 13475

Channa striatus,

Anatomy 12961

Biochemistry Skin 2810

Fungal diseases 8590

Hormones Pigments 1577

Hosts 8590

Larvae Pigments 1577

Skin Osmoregulation 2810

Testes 12961

Chanos,

- Brackishwater aquaculture: ISEW, Indonesia, Jepara 3401
- Fish culture 3402
- Fish culture: ISEW, Indonesia, Jepara 3400
- Growing ponds 3402
- Habitat improvement: ISEW, Indonesia, Jepara 3400
- Seed (aquaculture): ISEW, Indonesia, Jepara 3069

Chanos chanos,

- Blood cells 11807
- Enzymes 11807
- Fish culture 13655
- Fish culture: Fiji, Viti Levu, Ravi Ravi 3409
- Fish culture: Indonesia 13614
- Fry: Indonesia 13614
- Inland fisheries: India 13855
- Marine aquaculture 13655
- Seed (aquaculture): Indonesia 13614

Chaoborus,

- Currents: Africa, Mwenda R. 8521
- Freshwater ecology: Norway, Upper Romerike District 6424
- Geographical distribution: Norway, Upper Romerike District 6424
- Larvae: Africa, Mwenda R. 8521
- Light effects 5210
- Migrations 5210
- Nyctimeral rhythms 5210
- Pressure effects 5528
- River flow: Africa, Mwenda R. 8521

Chaoborus flavicans,

- Ecosystems: Poland, Mikolajskie L. 6610
- Feeding behaviour: Poland, Mikolajskie L. 6610

Chaos carolinensis,

- Cannibalism 8561

Chaparrado flavescens,

- Geographical distribution: ANE, British Isles, Essex 6415

Chara corallina,

- Cells 10342
- Chlorine 10342
- Ion transport 10342
- pH 10342

Chara hydropitys,

- Chromosomes: India, Darbhanga 5989

Chara vulgaris,

- Development 12760
- Morphology (organisms) 12760

Characeae,

- Cells 10343
- Measuring devices Cytology 2456
- Metabolism 10343
- Methodology 10343
- Physiology 10343

Characida,

- Glossaries 12943

Characidae,

- Check lists: USA 4008

Characini,

- Taxonomy 8331

Charonia lampas,

- Biochemistry 9262
- Chemical extraction 9262
- Chromatographic techniques 9262
- Enzymes 9262
- Enzymes Liver 1413
- Geographical distribution: ANE, British Isles, Cornwall 11592
- Liver 9262
- New records: ANE, British Isles, Cornwall 11592

Charophyta,

- Biochemistry 2536
- Carbonates 9164
- Cells 9164
- Morphology (organisms) 9164

Charopinus dubius,

- New records: ASE, Tunisia 2668

Charybdis cruciata,

- Invertebrate larvae 12881
- Morphology 12881

Charybdis japonica,

- Invertebrate larvae 12883

Chauliodes,

- Geographical distribution: USA, West Virginia 2911

Chauliodontidae,

- Check lists: INW 5013

Cheilodactylus macropterus,

- Nursery grounds Ecosystems: PSE, New Zealand 1900

Cheilodipteridae,

- Geographical distribution: World Subtropical Regions 11744
- Geographical distribution: World Tropical Regions 11744
- Keys: World Subtropical Regions 11744
- Keys: World Tropical Regions 11744
- Taxonomy: World Tropical Regions 11744

Cheilopogon,

- Fish eggs: ASW, Caribbean 6259
- Fish larvae: ASW, Caribbean 6259
- Morphology: ASW, Caribbean 6259
- Rearing: ASW, Caribbean 6259

Cheilotrema saturnum,

- Light effects 13199
- Locomotion 13199

Cheirodon dialepturus,

- New species: Panama (Rep.) 4008

Cheirodon mitopterus,

- New species: Panama (Rep.) 4008

Cheirodontinae,

- Keys Keys: Central America 274

Chelodina,

- Geographical distribution: New Guinea 13084
- Marshes: New Guinea 13084
- Taxonomy: New Guinea 13084

***Chelodina parkeri*,**

New species: New Guinea 13084

***Chelon labrosus*,**

Geographical distribution Morphology (organisms):

Netherlands, Texel, T Horntje 1532

Osmoregulation 6321

Reproductive organs 6321

***Chelonia*,**

Anatomy 11835

Biology: ISW 6793

Blood circulation 11835

Check lists: ASE, Mauritania 13076

Chromosomes 9480

Eggs 11845

Evolution 11835

Fisheries resources: India 12407

Fisheries resources: ISW 6793

Fishery management: ASW, Caribbean 803

Glands 8466

Heart 5125

Ion transport 8466

Keys: India 12407

Meiosis 9480

Migrations: ISE, Hawaii 9558

Morphology (organisms) 9480

Osmoregulation 8466

Pressure effects 11845

Respiration 5125

Sex reversal 13089

Shells 11845

Sodium chloride 8466

Taxonomy: India 12407

Temperature effects 13089

Trade: India 12407

Vision Analytical techniques 1265

***Chelonia mydas*,**

Chemical composition 10675

Conservation of natural resources: ISW 6349

Eggs 10675

Eggs: ASE, Ascension I. 9449

Energy flow 8464

Environmental effects 5200

Fishery biology: ASW, Caribbean 811

Geographical distribution: ASW, Surinam 4051

Glands 10695

Hibernation 5200

Locomotion 8464

Marine aquaculture: ISW 6839

Marine ecology: ISW 6349

Migrations 5200

Morphology (organisms): ASW, Surinam 4051

Osmoregulation 10695

Reproduction: ASW, Surinam 4051

Reproductive behaviour: ASE, Ascension I. 9449

Resource development: ISW 6349, 6839

Seasonal variations 5200

Serological studies 10898

Shells 10675

Size distribution: ISW 6349

Sodium 10695

Speciation 10898

***Chelonidae*,**

Abundance: ISW 2041

Conservation: ISW 2041

Coral reefs 7556

Parasites: ISW, India 9193

***Cheloniidae*,**

Parasites 9195

***Chelydra serpentina*,**

Blood cells 11836, 11837

Chemical extraction 8458

Histology 11836

Hormones 8443, 8458

Immunology 11836, 11837

Parasites 8600

Pituitary gland 8427, 8458

Reproductive organs 8443

Spleen 11836, 11837

Ultrastructure 8427, 11837

***Cheumatopsyche*,**

Taxonomy New species: USA 248

***Chilomonas oblonga*,**

Taxonomy 11866

Water quality: Germany, D.R., Halle 11866

***Chimaera monstrosa*,**

Alimentary organs 5042

Cytology 5042

Histology 5042

***Chionoecetes*,**

Invertebrate larvae 12882

Morphology 12882

***Chionoecetes bairdi*,**

Feeding: INE, Bristol Bay 10829

***Chionoecetes japonicus*,**

Invertebrate larvae 12882

Morphology 12882

***Chionoecetes opilio*,**

Biochemistry 6883

Degradation 6883

Experimental fishing: ANW, Canada 8817

Feeding: INE, Bristol Bay 10829

Fish conversion 8861

Fish conversion factors 8862

Fish handling 8861

Fishery industry plants: Canada 8867

Fishery products: ANW, Canada 8874

Frozen products 6883

Muscular system 6883

Palatability 6883

Processing fishery products 8861, 8862

Processing fishery products: Canada 8867

***Chiridius armatus*,**

Assimilation Zooplankton 1748

Feeding behaviour Predation 1748

***Chiridota rigida*,**

Amino acids 2587

Metabolism 2587

***Chirocentrus darab*,**

Transportation: India 13925

Chirocephalus sibyllae,

Morphology (organisms): Italy, Inland waters 12878
 New species: Italy, Inland waters 12878
 Reproductive organs: Italy, Inland waters 12878

Chiromanthes darwinensis,

Mangrove swamps: ISW, Sri Lanka 6129
 Morphology (organisms): ISW, Sri Lanka 6129

Chironex fleckeri,

Centrifugation 6769
 Poisons (biological) 6769
 Stinging organs 6769

Chironomidae,

Benthos: Italy, Martignano L. 12090
 Chemical control: British Isles, England, Essex 4423
 Community composition: Yugoslavia, Danube R. 3097
 Dams Environmental effects: Yugoslavia, Djerdap Reservoir 3341
 Diurnal rhythm: USA, Pennsylvania, Linesville Creek 9319
 Environmental effects: Canada, Front L. 6755
 Freshwater ecology: Canada, North West Territory, Char L. 9508
 Grazing: British Isles, Norfolk, Alderfen Broad 3123
 Horizontal distribution: Italy, Martignano L. 12090
 Industrial wastes: Japan, Gifu Prefecture, Suimon R. 11708
 Larvae: British Isles, Northern Ireland, Lough Neagh 12030
 Larvae: Japan, Gifu Prefecture, Suimon R. 11708
 Larvicides: Japan, Gifu Prefecture, Suimon R. 11708
 Life cycle: Canada, North West Territory, Char L. 9508
 Methodology 11437
 Parasites: Canada, British Columbia, Marion L. 5280
 Periphyton: Yugoslavia, Danube R. 3097
 Ponds: USA, Pennsylvania, Linesville Creek 9319
 Population density: British Isles, Northern Ireland, Lough Neagh 12030
 Population density: Italy, Martignano L. 12090
 Reservoirs: Poland, Sola R. 6394
 Sampling (biological) 11437
 Sampling (biological): USA, Pennsylvania, Linesville Creek 9319
 Sampling (biological) Production (biological): Germany, Fed.Rep., Hessen, Breitenbach 241
 Sampling (biological) Production (biological): Germany, Fed. Rep., Hessen, Rohrwiesenbach 241

Chironomus,

Gut contents 11986

Chironomus dorsalis,

Oil pollution 11060
 Pollution effects 11060

Chironomus lugubris,

Benthos: British Isles, Northern Ireland, Blaxter L. 5359

Chironomus pilicornis,

Morphology Taxonomy 2733

Chironomus plumosus,

Biodegradation 12199
 Zinc: Italy, Maggiore L. 6654

Chironomus tentans,

Bioassays 12229
 Environmental factors 10534
 Mutations 10534

Chironomus yoshimatsui,

Insecticides: Japan 5541
 Pest control: Japan 5541

Chiostoma,

Fish culture: Mexico, Patzcuaro L. 13646
 Rearing: Mexico, Patzcuaro L. 13646

Chiton phaseolinus,

Morphology (organisms) 8204
 Taxonomy 8204

Chitopsalmus quadrumanus,

Stinging organs 2552

Chlamidoselachus anguineus,

New records: ASE 6434

Chlamydomona eugametos,

Asexual reproduction 10351

Chlamydomonas,

Biology 7079
 Books 7079
 DNA 2458
 Genetics 2458
 Mutations 2458
 Photosynthetic pigments 2458
 Taxonomy 7079
 Temperature effects 5172
 Terminology 9140
 Ultrastructure 7079

Chlamydomonas coccoides,

Cultures 10021

Chlamydomonas cribrum,

Mitosis 9166
 Photosynthetic pigments 9166

Chlamydomonas eugametos,

Nitrogen: USA, Connecticut, Willimantic R. 10322
 Sexual reproduction: USA, Connecticut, Willimantic R. 10322

Chlamydomonas paralletriata,

Mitosis 9166
 Photosynthetic pigments 9166

Chlamydomonas reinhardtii,

Biochemistry 10331
 Chlorophylls 10331
 Gametogenesis 12757
 Metabolism 12757
 Mutations 2502, 10331
 Photosynthesis 10331
 Photosynthetic pigments 2502
 Proteins 10354
 Reproduction Physiology 140
 RNA 12757

Chlamydomonas reinhardtii,

Bioaccumulation 8740
 Chromosomes Proteins 1323
 Chromosomes Ultrastructure 138

Genetics Chromosomes 137

Mercury 8740

Symbiosis 3150

***Chlamys*,**

Enzymes 4173

Polymorphism 4173

Population genetics 4173

***Chlamys islandica*,**

Age composition: ANW, St. Lawrence Gulf 8842

Exploratory fishing: ANW, Canada,

Iles-de-la-Madeleine 8844

Fishery resources: ANW, St. Lawrence Gulf 13761

Fishery surveys: ANW, Canada,

Iles-de-la-Madeleine 8844

Fishery surveys: ANW, St. Lawrence Gulf 8842, 13761

Potential yield: ANW, St. Lawrence Gulf 13761

Recruitment: ANW, St. Lawrence Gulf 10030

Sexual reproduction: ANW, St. Lawrence Gulf 10030

Shellfish catch statistics: ANW, St. Lawrence

Gulf 10030

Size distribution: ANW, St. Lawrence Gulf 8842, 10030

Stock assessment: ANW, Canada,

Iles-de-la-Madeleine 8844

***Chlamys nipponensis*,**

Poisons (biological): INW, Japan, Ofunato Bay 7885

***Chlamys opercularis*,**

Electrophoresis: ANE, British Isles, Wales,

Anglesey 4935

Population genetics: ANE, British Isles, Wales,

Anglesey 4935

Population genetics: ANE, Isle of Man 4935

***Chlamys phalara*,**

New species: PSW, Juan Fernandez Is. 4880

***Chlopsis bicolor*,**

New records: ASW 13151

***Chlorella*,**

Biochemistry 6059

Chemical extraction Medical products 1130

Cultures 10328, 11516

Freezing storage 11514, 11516

Growth 11514

Irradiation 4782

Light effects 6059

Mutations 4782

Oils 11517

Phenols 11506

Photosynthesis 6059, 11109

Physiology 11506

Pollution effects 11109

Primary production Growth regulators: ANE,

Finland 9756

Respiration Light effects 1336

Secretory products 11517

Taxonomy 2498, 11517

Temperature effects Respiration 1336

Temperature tolerance 11514, 11516

***Chlorella ellipsoidea*,**

Fats 6010

Metabolism 6010

***Chlorella fusca*,**

Amino acids 7129

Bioaccumulation 8714

Biochemistry 4787

Cadmium 13229

Chemical analysis 3857

Enzymes 12761

Growth 13229

Light effects 12761

Metabolism 3857, 4787, 7129

Nitrates 7129

Nitrogen cycle 12761

Photosynthesis 10356

Physiology Metabolism 1337

Zinc 13229

***Chlorella kessleri*,**

Cultures 4468

Growth rate 4468

***Chlorella minutissima*,**

Nutrients (mineral) Growth 928

***Chlorella pyrenoidosa*,**

Arsenic Photochemical degradation 1334

Biosynthesis 10328

Carbohydrates 8125

Cell division 11534

Chlorophylls 13448

Cultures 8125, 11534

Development 7111

Excretion 12766

Growth 13448

Growth rate 8125

Growth regulators 11534

Herbicides 13448

Photosynthesis 7111

Photosynthetic pigments 7111

***Chlorella vulgaris*,**

Cultures 3851, 11864, 12779

Environmental effects 12779

Growth regulators 4130

Herbicides Detoxication 1997

Laboratory equipment 11864

Nitrogen cycle 5413

Nutritional requirements Phosphorus 1680

Oil pollution 4130

Oxygen system 5413

pH 12779

Physiology 11536

Population density 11864

Reproduction 3851

Taxis 1327

***Chloridella simplex*,**

Herbicides Detoxication 1997

***Chlorogloea fritschii*,**

Hormones 4135

***Chlorogonium elongatum*,**

Cells 10299

Chemical structure 10299

Electron microscopy 10299

***Chlorophthalmus bicornis*,**

Taxonomy: ISW 11734

***Chlorophyceae*,**

Carbohydrates 12772

Fats 9160

Growth 12772

Mitosis 12044

Photosynthesis 12772

Photosynthesis: IN 12772

Pollution effects 11101

Taxonomy 10296

Taxonomy *Chlorophyceae*: Taxonomy Keys: Hungary 130***Chlorophyta*,**

Abundance: British Isles, England, Somerset 9115

Bioaccumulation: Israel, Kinneret L. 12075

Biomass: British Isles, England, Somerset 9115

Community composition: British Isles, England, Somerset 9115

Keys: PSW, Argentina 3846

New records: PSW, Argentina 3846

Photosynthesis: INW, Japan 11525

Physiology: ANE, British Isles 2526

Phytoplankton: British Isles, England, Somerset 9115

Polls: British Isles, England, Somerset 9115

Radioactive tracers: Israel, Kinneret L. 12075

Taxonomy: ASW, Brazil, Sao Luis I. 9118

Taxonomy Morphology (organisms) 1303

Temperature effects: INW, Japan 11525

***Chlorophyceae*,**

Growth 11508

Ion 11508

Ultrastructure 11508

***Chodatella*,**

Geographical distribution: Japan 6404

New records: Japan 6404

***Chodatella quadriseta*,**

New records: Japan 6404

***Chondracanthidae*,**

Biological collections: PSE, New Zealand 7482

Geographical distribution: PSE, New Zealand 7482

Morphology (organisms): PSE, New Zealand 7482

New records: PSE, New Zealand 7482

Parasites: PSE, New Zealand 7482

***Chondria armata*,**

Medical products 8303

Seaweed products 8303

***Chondrichthyes*,**

Anatomy 9092

***Chondrites*,**

Palaeontology: USA, Missouri 9072

Petrification: USA, Missouri 9072

***Chondrococcus hornemanni*,**

Biochemistry 4786

***Chondrostei*,**

Palaeontology Evolution 1834

***Chondrostoma*,**

Geographical distribution: Italy, Garda L. 340

***Chondrus crispus*,**

Abundance: ANW, USA, Massachusetts 4165, 7686, 7699, 9668

Carrageenins 7880, 7958, 9147

Chemical analysis 10314

Condition factor: ANW, USA, Massachusetts 9668

Cytology 10314

Growth: ASE, France, Ile de Noirmoutier I. 9147

Marine ecology 7880

Photosynthesis 9777

Pollution effects: ANW, USA, Massachusetts 4165

Population parameters: ANW, USA, Massachusetts 4165

Seasonal variations 9777

Temperature effects 9777

Thermal pollution: ANW, USA, Massachusetts 7699, 9668

***Chordata*,**

Skin 13086

Ultrastructure 13086

***Choristes coani*,**

New species: INE, USA, Oregon 6102

***Choromyticus meridionalis*,**

Bioaccumulation 11098

Pollution effects 11098

Trace constituents 11098

***Choromytilus chorus*,**

Growth: PSW, Chile, Chiloe I. 2971

***Chriolepis*,**

New species: ISE, Columbia, Malpelo Isl. 2787

***Chriolepis benthonis*,**

New records: ASW 13151

***Chironomus tentans*,**

Pesticides Larvae 7757

***Chronomus tentans*,**

Bioassays 12238

***Chroococcidiopsis*,**

Taxonomy Strains 127

***Chrosomus neogaeus*,**

Morphology (organisms) Evolution 3053

***Chrysaora quinquecirrha*,**

Bioaccumulation 4374

Enzymes 9230

Invertebrate larvae 9230

Metabolism 9230

Noxious organisms Guiding devices: ANW, Chesapeake Bay 45

Temperature tolerance: ANW, Chesapeake Bay 631

***Chrysemys picta*,**

Brain 8453

Chemoreception 10698

Drugs 8453

Enzymes 8453

Nervous system 10698

Nervous systems 8453

Respiration 10698

***Chrysemys scripta*,**

Bioaccumulation: USA, Tennessee, Reelfoot L. 13446
 DDT: USA, Tennessee, Reelfoot L. 13446
 Pollution effects: USA, Tennessee, Reelfoot L. 13446

***Chrysichthys walkeri*,**

Biology: Nigeria, Lekki Lagoon 10540
 Geographical distribution: Nigeria, Lekki Lagoon 10540
 Growth: Nigeria, Lekki Lagoon 10540
 Reproduction: Nigeria, Lekki Lagoon 10540

***Chrysichtys nigrodigitatus*,**

Ageing methods 10810
 Growth 10810

***Chrysochromulina kappa*,**

Oils Algal blooms 3282

***Chrysonebula holmesii*,**

Life cycle 11872
 New records: France 11872

***Chrysophrys aurata*,**

Nutritional requirements Amino acids 872
 Nutritional requirements Artificial feeding 872
 Nutritional requirements Proteins 872

***Chrysophrys auratus*,**

Mercury Pollution effects: PSE, New Zealand 1998

***Chrysophrys major*,**

Abnormalities 13287
 Acids 13246
 Age determination: INW, Japan, Hiroshima 13215
 Bacterial diseases 13287
 Fats 13246, 13899
 Feeding behaviour 13247
 Feeds 13246
 Fish catch statistics: ISEW, East China Sea 10038
 Fishery management: ISEW, East China Sea 10038
 Food conversion 13246
 Freezing storage 13899
 Growth 13246
 Growth: INW, Japan, Hiroshima 13215
 Growth rate Physiology 3399
 Haematology 13007
 Juveniles 13246
 Juveniles: INW, Japan, Hiroshima 13215
 Lesions 13287
 Population dynamics: ISEW, East China Sea 10038
 Proteins 13899
 Reproduction Population dynamics: INW, Yellow Sea 1819
 Sexual maturity Breeding 1536
 Skeleton 13287
 Social behaviour 13247

***Chrysophyceae*,**

Evolution 11472
 Taxonomy 11472
 Ultrastructure 11472

***Chrysophyta*,**

Check lists: Germany, Fed.Rep., Bavaria 2495

***Chthamalus*,**

Temperature tolerance 4434

***Chthamalus challengri*,**

Breeding: INW, Japan 9295
 Development: INW, Japan 9295

***Chthamalus stellatus*,**

Biochemistry 11677
 Development 11677
 Eggs 11677

***Chthonerpeton indistinctum*,**

Glands 6367
 Temperature effects 6367

***Chydorus*,**

Herbicides: USA, Wisconsin, Delafield 7733

***Chydorus pigroides*,**

Taxonomy 8258

***Chydorus sphaericus*,**

Zooplankton Cultures 1888

***Chytridiales*,**

Microbiology 3838, 3839, 3840
 Taxonomy 3839, 3840

***Cichlasoma*,**

Genetics: Mexico, Cuatro Cienegas Basin 3054
 Polymorphism: Mexico, Cuatro Cienegas Basin 3054
 Speciation: Mexico, Cuatro Cienegas Basin 3054

***Cichlasoma bouchellei*,**

Terminology: Nicaragua 6208

***Cichlasoma citrinellum*,**

Chemoreception 10623
 Juveniles 10623
 Social behaviour 10623

***Cichlasoma cyanoguttatum*,**

Sympatric populations: USA, Texas, Rio Grande 8623

***Cichlasoma nigrofasciatum*,**

Acclimation 13189
 Aggressive behaviour Chemoreception 2965
 Aggressive behaviour Territorial behaviour 2965
 Colour 13189
 Evolution 13189
 Reproductive behaviour 6458
 Schooling behaviour 13189

***Cichlidae*,**

Development 12974
 Eggs 12974
 Environmental effects: Malawi, Malawi L. 7839
 Exploratory fishing: Malawi, Malawi L. 7839
 Genetics 8623
 Horizontal distribution: Malawi, Malawi L. 7839
 Morphology (organisms) 12974
 Reproductive behaviour 12974
 Seasonal variations: Malawi, Malawi L. 7839
 Speciation: Mexico, Coahuila, Cuatro Cienegas 8623
 Speciation: USA, Texas, Rio Grande 8623
 Sympatric populations: Mexico, Coahuila, Cuatro Cienegas 8623
 Vertical distribution: Malawi, Malawi L. 7839

***Cienowskya arborescens*,**

New species: ASW, USA, Alabama, Mobile Bay 161

***Ciliata*,**

Biomass 4233

- Chemical composition 2590
 Copper 7638
 Counters Measuring devices 2447
 Energy flow 12835
 Epiphytes 9187
 Evolution 5316, 8147
 Grazing 8665
 Intertidal environment: ASE, Black Sea 11920
 Light effects 8665
 Marine ecology Pollution effects: ANE, Germany, Fed. Rep., Sylt, Koenigshafen 636
 New records: Mexico, Morelos State, San Anton 8515
 Waterfall 8515
 Respiration 12835
 Shells: ASE, Black Sea 11920
 Symbiosis Environmental effects 1928
 Taxonomy 8147
 Vertical distribution: ASE, Black Sea 11920
Alia septentrionalis, eggs Larvae 266
 Growth rate Spawning: ANE, British Isles, Devon 266
Alus montii, fecundity: PSW, Chile 1546
Anetochilum margaritaceum, cell division 4827
 Morphology (organisms) 4827
 Ultrastructure 4827
Aniona intestinalis, environmental effects: ASE, France 13081
 Shells: ASE, France 13081
 Grafting 6380
 Immunology 6380
 Regional variations: ASE, France 13081
Anicolana borealis, heart 6132
 Muscular system 6132
 Ultrastructure 6132
Anicolana harfordi, ecology 13335
 Energy budgets 13407
 Growth 13407
 Population dynamics 13335
 Reproduction 13335
Anirratulidae, taxonomy 10381
Anirrhina mrigala, feeding behaviour 6496
 Food composition 6496
 Juveniles 13690
 Nursery ponds 13690
 Rearing 13690
Anirrhina reba, light effects 12988
 Rhythms 12988
 Sexual maturity 12988
 Sexual reproduction 12988
Anirrhinus mrigala, artificial feeding 13695
 Development 12998
 Fish culture: Lybia 13652
 Food composition 12998
 Growth 13695
 Histochemistry 6273
 Metabolism 6273
Cirrhites pinnulatus, Predation 10991
Cirripedia, Biochemistry. 8068
 Chemical analysis 7189
 Chemical composition 9315
 Fats: ANE, British Isles 9304
 Fats: ASE, France 9304
 Horizontal distribution Littoral zone: ISEW, Hong Kong 1612
 Keys: PSE, New Zealand 9284
 Manganese 8068
 Morphology (organisms): PSE, New Zealand 9284
 Polymorphism: ANE, British Isles 9304
 Polymorphism: ASE, France 9304
 Proteins 7189
 Shells 7189, 8068, 9315
Citharichthys, Morphology: ASW, Cuba 7265
Citharichthys stigmaeus, Chromium Feeding behaviour 598
 Chromium Toxicity 598
Citharinus, Feeding: Nigeria, Kainji L. 11976
 Food composition: Nigeria, Kainji L. 11976
Cittarium pica, Dispersion: ASW, USA, Florida 6423
 Geographical distribution: ASW, USA, Florida 6423
 Predation: ASW, USA, Florida 6423
Cladocera, Abundance: Netherlands, Tienhoven 12876
 Abundance: USA, Michigan, Lawrence L. 8617
 Ecology: Netherlands, Tienhoven 12876
 Environmental effects: Netherlands, Tienhoven 12876
 Geographical distribution Seasonal variations: ASE, Aegean 338
 Life cycle 10908
 Life cycle Temperature effects: ASE, Trieste Gulf 1419
 Population dynamics: Italy, Mantova L. 13327
 Population dynamics: USA, Michigan, Lawrence L. 8617
 Seasonal variations: ASE, Italy, Mantova L. 12057
 Seasonal variations: Italy, Mantova L. 13327
 Seasonal variations: USA, Michigan, Lawrence L. 8617
 Zooplankton 10908
 Zooplankton: ASW, Caribbean 7509
 Zooplankton: ASW, Puerto Rico Trench 7509
 Zooplankton: Sweden 6571
Cladophora, Ecosystems: ANE, Baltic 9739
 Energy flow: ANE, Baltic 9739
 Environmental effects: ANE, Finland, Aaland archipelago 9939
 Population dynamics: ANE, Baltic 9739

- Primary production 473
 Resource development 2183
 Simulation: ANE, Baltic 9739
 Water waves: ANE, Finland, Aaland archipelago 9939
 Zinc: ASE, France, Etang de l'Olivier 4674
- Cladophora glomerata*,**
 Primary production 9753
- Cladophora glomerata* 88a America, Erie L.,**
 Culture media 13238
- Cladosiphon okamuranus*,**
 Embryology 11194
 Fertilization 11194
 Seaweed culture 11194
- Clamydomonas eugametos*,**
 Genetics 1319
- Clarias batrachus*,**
 Artificial fecundation 13692
 Biochemistry 4017
 Blood 8396
 Chemical composition 8396, 13876
 Drugs 6269
 Enzymes 10627
 Fats 13032
 Feeding 8396
 Histology 6269, 8408
 Introduced species 4256
 Length-weight relationships 6287
 Lesions 2841
 Metabolism 6287
 Morphology (organisms) 6239
 Nerves 10627
 Nervous system 13061
 Nervous systems 2841, 4017, 6239
 Olfactory organs 13061
 Oxygen consumption 6287
 Pancreas 6269, 8771
 Parasitic diseases 8149
 Physical properties 13032
 Pituitary gland 10627
 Pollution effects 8771
 Regeneration 2841
 Respiration 6287
 Seasonal variations 8396
 Secretory products 4017
 Seed (aquaculture) 13692
 Skeleton 5046
 Skin 8408
 Spawning 8396
 Starvation 13876
 Stimuli 13061
 Stress 4017
 Succession 4256
 Toxicity 8771
Trypanosoma: Host-parasite systems 13296
- Clarias lazera*,**
 Electric fishing: Ivory Coast, Bouake 10012
 Fish culture: Africa 10010
 Fish culture: Ivory Coast, Bouake 10011
 Physiology 6692
 Radioactive pollution 6692
- Clarias macrocephalus*,**
 Artificial spawning 13673
 Fish culture 13673
 Juveniles 13673
- Clariidae*,**
 Electrophoresis 10643
 Proteins 10643
- Clastidium setigerum*,**
 Morphology Taxonomy 1311
- Clausocalanus*,**
 Abnormalities 11660
 Abnormalities Anatomy: ANE 1851
 Geographical distribution: AN 12058
 Geographical distribution Seasonal variations: ANE 1850
 Geographical distribution Seasonal variations: ASE, Adriatic 1654
 Morphology (organisms) 11660
 Plankton collecting devices: AN 12058
 Reproduction: AN 12058
 Seasonal variations: AN 12058
- Clausocalanus tobei*,**
 New record: ASE, Adriatic 1654
- Clava multicornes*,**
 Taxonomy Population growth 153
- Clava squamata*,**
 Taxonomy Population growth 153
- Clavagella mullerae*,**
 New species: PSW, South Africa, Natal 2618
- Clavocerithium taeniatum*,**
 Taxonomy: ISEW, Papua New Guinea 4910
- Clavularia steveninoae*,**
 New species: MED, Mediterranean 8142
- Cleiothyris*,**
 Terminology 4813
- Clemmys guttata*,**
 Biological rhythms: ANW, USA, Pennsylvania 8421
 Feeding behaviour: ANW, USA, Pennsylvania 8421
 Population dynamics: ANW, USA, Pennsylvania 8421
 Reproduction: ANW, USA, Pennsylvania 8421
- Clibanarius vittatus*,**
 Competitive behaviour: ANW, USA, North Carolina, Beaufort 2952
- Climacia californica*,**
 Parasites: USA, California 4083
- Clinocardium nuttalli*,**
 Circadian rhythms: INE, USA, Oregon 6470
 Growth rate: INE, USA, Oregon 6470
 Tides: INE, USA, Oregon 6470
- Clio pyramidata*,**
 Hydrography 4582
 Morphology (organisms) 4582
 Palaeontology 4582
- Cliona amplicavata*,**
 New species: ASW; Bermuda 3889
- Cliona carteri*,**
 New records: ASE, Tunisia 7135

- Cliona celata*,**
Ageing methods: ANW, USA, New York, Gardiners Island 8135
Ecology: ANW, USA, New York, Gardiners Island 8135
Geographical distribution: ANW, USA, New York, Gardiners Island 8135
Growth rate: ANW, USA, New York, Gardiners Island 8135
New records: ASE, Tunisia 7135
- Cliona flavifodina*,**
Geographical distribution: ASW, Bermuda 3889
- Cliona nigricans*,**
Taxonomy: ASE, Tunisia 7135
- Cliona paucispina*,**
New species: ASW, Bermuda 3889
- Clionidae*,**
Geographical distribution 7135
Geographical distribution: ASW, Bermuda 3889
Morphology: ASE, Tunisia 7135
Taxonomy: ASW, Bermuda 3889
- Cloeon*,**
Morphology: Europe 9329
Terminology: Europe 9329
- Cloridopsis bengalensis*,**
Geographical distribution: ISW, India, Bengal 11667
Terminology: ISW, India, Bengal 11667
- Closterium*,**
Taxonomy 11487
- Closterium ralfsii*,**
Terminology 10294
- Closterium subjuncidiforme*,**
Terminology 10294
- Clostridium*,**
Enzymes 3049
- Clostridium botulinum type E*,**
Microbial contamination: USSR, Caspian Sea 6894
Sediment analysis: USSR, Caspian Sea 6894
- Clostridium perfringens*,**
Cured products 13920
Microbial contamination 13920
- Clunio marinus*,**
Eggs 11717
Life cycle: ANE, Kiel Bight 10536
Physiology 11717
- Clupea*,**
Abundance Fisheries resources 1023
Age composition Gear selectivity 1023
- Clupea harengus*,**
Auditory organs 11755
Bioaccumulation 5501
Buoyancy 7321
Catch statistics: ANE, British Isles, Scotland 5643
Chemical composition 12968
Chromosomes: PNW, White Sea 1830
Cold storage Transportation 3566
Conferences: Netherlands, Ijmuiden 3430
Coring 8877
Development 7263
Development: ANW, Fundy Bay 10578
Dispersants 12218
Fats 1571, 2192, 12968
Fats: ANW, Canada 8373
Feeding: ANE, Sweden, Asko-Landsort 9633
Fish larvae: ANE, Norwegian Basin 5663
Fish oils 2192
Fish oils: ANW, Canada 3403
Fisheries data Computer applications: ANE, Finland Gulf 984
Fisheries data Computer applications: ANE, Riga Gulf 984
Fisheries resources: ANE, British Isles, Scotland 5643
Fisheries statistics: ANE, British Isles, Scotland, Shetland Isles 5643
Fishery surveys: ANE 3430
Fishery surveys: PNW, Barents Sea 3430
Flotation 7321
Growth rate 10817
Juveniles: ANW 10781
Lateral line 11755
Marine aquaculture 2086
Mathematical models: ANW, St. Lawrence Gulf 13331
Migrations: ANE, British Isles, Scotland 5290
Morphology 7263
Natural mortality: ANE, Norwegian Basin 5663
Otoliths: ANW, Fundy Bay 10578
Pollution effects 12218
Population dynamics: ANE, North Sea 6875
Potential yield Fisheries data: ANE, Finland Gulf 984
Potential yield Fisheries data: ANE, Riga Gulf 984
Rearing 2086, 10817
Recruitment: ANW, St. Lawrence Gulf 13331
Research programmes: ANE, Georges-Bank 6874
Research programmes: ANE, North Sea 6875
Schooling behaviour: ANW, Long Island Sound 10781
Schooling behaviour: ANW, St. Lawrence Gulf 10781
Serological studies: ANW 7507
Spawning grounds: INE, Canada, British Columbia 6845
Spawning migrations: ANE, Kiel Bight 5167
Standardization Fishing effort: ANE, Finland Gulf 984
Stock assessment: ANE, Georges-Bank 6874
Stock assessment: ANE, North Sea 6875
Stock assessment Fishing mortality: ANE, Eire, Donegal 1026
Stock identification: ANE, British Isles, Scotland 5290
Stock identification: ANW 7507
Swim bladder 11755
Tagging: ANE, British Isles, Scotland 5290
Tagging: ANE, Kiel Bight 5167
Tagging Horizontal distribution: Germany, Fed. Rep., Schleswig-Holstein, Schlei 1669
Taxonomy 12968
Temperature effects: ANE, Baltic 9395
Toxicity 12218
- Clupea pallasii*,**
Chemical analysis: INW, Okhotsk Sea 9416
Environmental effects: INW, Okhotsk Sea 9416
Fats: INW, Okhotsk Sea 9416

***Clupea pilchardus*,**

Annual variations: ASE, Adriatic 6870
 Catch statistics: ASE, Adriatic 6870
 Correlation analysis: ASE, Adriatic 6870
 Solar radiation: ASE, Adriatic 6870

***Clupea sprattus*,**

Fishery surveys: ANE, Norway 3433

***Clupeidae*,**

Chemical composition: ASE, Mediterranean 9402
 Fats: ASE, Mediterranean 9402
 Geographical distribution: ASE, Spain 12977
 Ichthyoplankton: ISE, California Gulf 13772
 Ichthyoplankton Surveys: ISE, California Gulf 453
 Larvae: ASE, Spain 12977
 Mercury: ASE, Africa coasts 13484
 Reproduction: USSR, Dniester R. 7745
 Seasonal variations: ASE, Spain 12977

***Clupeoidi*,**

Abundance: ASE, Tunisia 3475
 Fisheries resources: ASE, Tunisia 3475
 Fishery surveys Fish catch statistics: ASE, Mediterranean 3429

***Clupeonella*,**

Preservation (fishery products) 5680

***Clupeonella delicatula*,**

Proteins 5671

***Clupeonella engrauliformis*,**

Abundance: USSR, Caspian Sea 10884
 Population dynamics: USSR, Caspian Sea 10884

***Clycera robusta*,**

Chemical analysis 9232
 Chemical structure 9232
 Haemoglobin 9232

***Clydonella vivax*,**

New species Taxonomy 167

***Clypeaster japonicus*,**

Eggs Mitosis 1349

***Cnephia mutata*,**

Viral diseases Larvae: Canada, Newfoundland 404

***Cnidaria*,**

Anatomy 10374
 Biochemistry 4806
 Cells 10374
 Check lists: ASW, USA, Mississippi Sound 7531
 Community composition: ASW, USA, Mississippi Sound 7531
 Development 4806
 Morphology (organisms) 4806
 Nematocysts 12793
 Plankton: ASW, USA, Mississippi Sound 8631
 Stinging organs 4806, 10374
 Ultrastructure 12793
 Zooplankton: ASW, USA, Mississippi Sound 7531

***Cnidosporidia*,**

Parasites: ANE, Reykjanes Ridge 11991

***Cobanocytherinae*,**

New species 1445

***Cobitidae*,**

Anatomy 3992
 Circulatory system 3992

***Cobitis biwae*,**

Chromosomes: Japan 12997
 Morphology (organisms): Japan 12997
 Polyploids: Japan 12997
 Subpopulation: Japan 12997

***Cobitis rotundicaudata*,**

Enzymes 9446

***Coccinella septempunctata*,**

Eyes 8314
 Light effects 8314

***Coccolithophorida*,**

Calcium: ANE 5906

***Coccolithophoridae*,**

Marine ecology Geographical distribution: ANE, Norway, Skjomen Fjord 1645

***Coccolithus huxleyi*,**

Cobalt 4350
 Growth 4350

***Cocconeis*,**

Benthos : ANW, Canada, Quebec, Baie de Chaleurs 6422

***Coccorella*,**

Alimentary organs 11759
 Anatomy 11759
 Morphology (organisms) 11759
 Ontogeny 11759

***Codium bursa*,**

Biochemistry: ASE, Mediterranean 6009

***Codium decorticatum*,**

Osmoregulation 1329

***Codium dichotomum*,**

Photosynthetic pigments: ASE, Mediterranean 6009

***Codium fragile*,**

Geographical distribution: ASE, Italy, Lago di Faro 4079

Geographical distribution: PSE, New Zealand 1646

New record: ANE, Iceland 8509

Parthenogenesis: ASE, Italy, Lago di Faro 4079

Taxonomy: ANE, Iceland 8509

***Codonophilus*,**

Parasites 7464

***Coelastrum microporum*,**

Algal blooms 2493
 Growth rate 3854
 Growth regulators 3854
 Mercury 3854
 Metabolism 3854
 Ultrastructure 5972

***Coelastrum reticulatum*,**

Reproduction 5972
 Ultrastructure 5972

***Coelenterata*,**

Annual variations 6930
 Biological collections 3860

ology 6016
 oluminescence: ISEW, Australia, Queensland Great
 Barrier Reef 3834
 axonomy 3860
 erminology 4814
oelognopora,
 axonomy: ASE, Romania, Agigea 11544
oelomomyces,
 ungual diseases Biological control 784
oelomycidium simutii,
 axonomy 2472
oelopa vanduzeei,
 oaccumulation: INE, USA, California 12223
 race constituents: INE, USA, California 12223
ohnilembus verminus,
 ell division 4825
 orphology (organisms) 4825
 ltrastructure 4825
oilia ramcarati,
 econdity: India, Hooghly Estuarine System 8412
olacium libellae,
 ew species Parasites 1309
 axonomy Parasites 1309
oleoptera,
 iochemistry 3979
 ology 5002
 nvironmental effects 5002
 on accumulation 3979
 arvae Taxonomy 1475
 larking 5944
 ethodology 5944
 hysiology 3979
 erminology 5002
olisa fasciata,
 istology 12956
 orphology (organisms) Respiratory organs 270
 ituitary gland 12956
olistium nudipinnis,
 uveniles 7268
 orphology (organisms) 7268
ollinia orchestiae,
Orchestia gammarellus: Ultrastructure Parasites 3022
ollisella,
 axonomy: ISE, Chile 6089
 axonomy: PSW, Chile 6089
ollisella pelta,
 ompetitive behaviour: INE, USA, California 8523
ollomia linearis,
 ntroduced species: Italy, Belluno, Pettorina 7361
ollotheca,
 eeding mechanisms 5247
olobomatus pupa,
 evelopment 3974
 ife cycle 3974
 axonomy 3974
ololabis saira,
 abundance: INW, Japan 13328

Fisheries statistics: INW, Japan 13328
 Larvae: INW 5322
 Population dynamics: INW, Japan 13328
Colossendeis,
 Freezing: PS, Antarctica 9576
Colostethus goianus,
 New species: Brazil 4042
Colpichthys regis,
 Fossils: USA, Arizona 11757
 Morphology (organisms): USA, Arizona 11757
 New records: USA, Arizona 11757
Colpidium campylum,
 Ageing methods 8557
 Biomass 8557
 Cultures 5254, 8557
 Growth rate 8557
 Population dynamics 8557
 Population growth 5254
Colpoda maupasi,
 Morphology (organisms) 8147
 Ultrastructure 8147
Colpoda steinii,
 Grazing 8664
 Taxonomy 8153
 Ultrastructure 8153
Colpomenia,
 Morphology (organisms): PSE, Australia 10309
 Taxonomy: PSE, Australia 10309
Colubraria reticulata,
 Marine ecology: ASE, Sicily 9240
Comanthus bennetti,
 Symbionts 11754
Compsopogon oishii,
 Geographical distribution: Japan 5971
 Taxonomy: Japan 5971
Conchoecia skogsbergi,
 New record: PN, Arctic 11651
Concholepas concholepas,
 Fishery biology: PSW, Chile 13313
 Life cycle Reproduction: PSW, Chile, Valparaiso
 Bay 1408
 Overfishing: PSW, Chile 13313
 Population parameters: PSW, Chile 13313
 Size distribution: PSW, Chile 13313
 Spawning seasons: PSW, Chile 13313
Condylactis aurantiaca,
 Chemical composition 6064
 Enzymes 6064
 Poisons (biological) 8185
Condylactis gigantea,
 Coral reefs: ASW, West Indies 12137
 Stinging organs: ASW, Bahama Is., Bimini 10990
 Symbionts: ASW, Bahama Is., Bimini 10990
 Symbiosis: ASW, West Indies 12137
Condylospora spumigena,
 New species: Malaya, Gombak R. 5958

Congericola,

Taxonomy : PSE, New Zealand 7208

Congeriomorpha,

Anatomy 11612

Palaeontology 11612

Taxonomy 11612

Congridae,

Fish larvae: INW, Kuroshio Current 7257

Conidae,

Colour 10438

Morphology (organisms) 3929, 10438

Shells 3929, 10438

Terminology 10438

Conodontophyta chattanoogaegae,

Continental drift: World Tectonic Plates 5769

Fossils 5769

Conopeum tenuissimum,

Cultures: ANE, Chesapeake Bay 9627

Food organisms: ANE, Chesapeake Bay 9627

Growth rate: ANE, Chesapeake Bay 9627

Nutrition: ANE, Chesapeake Bay 9627

Contracaecum,

Parasites: Turkey, Munzur Stream 7467

Contracaecum aduncum,

Parasitology: ANE, Baltic 12006

Conus,

Morphology (organisms) 2612, 3932

Taxonomy 3932

Conus bullatus,

Predation 4117

Conus capitaneus,

New records: ISW, Sri Lanka 6430

Conus ermineus,

Autecology: ASW, Trinidad 3924

Conus flavidus,

Anatomy 8206

Excretory organs 8206

Conus marmoreus,

Predation 4117

Conus miles,

Mouth parts 2611

Conus typhon,

Colour: ISW, Mozambique, Ilha Chiloane 10436

Geographical distribution: ISW, Mozambique, Ilha Chiloane 10436

New species: ISW, Mozambique, Ilha Chiloane 10436

Copepoda,

Abundance: ANE, Spain, Ria de Muros 13344

Abundance: ASE, Spain, Menor Sea 12076

Abundance Pollution effects: ASE, Greece 1980

Abundance Seasonal variations: INW, Japan, Seto-Naikai 226

Aggregations: INW, Japan, Oshoro Bay 7522

Anatomy 12001

Benthos: ANW, USA, South Carolina 5364

Benthos: ASE, France, Banyuls-sur-mer 5366

Bioassays 6432

Biochemistry 6159

Biomass 4185

Biomass: ASE, Lyon Gulf 5404

Biomass: ISW, India 4193

Biosynthesis 13251

Carbon: ANE, Kiel Bight 9685

Check lists: ASW, Jamaica 9271

Check lists: INW 5324

Check lists: PSW, Chile 6558

Chemoreception Feeding mechanisms 1743

Community composition: ANE, Spain, Ria de Muros 13344

Community composition: ASE, Adriatic 5484

Community composition: ASE, Spain, Menor Sea 12076

Community composition: INW, USSR, Sakhalin 9701

Correlation analysis: ASE 7526

Cultures 4180

Development: AS 3034

Development: ASE, Mediterranean 3034

Digestion 2981

Diurnal rhythm 7400

Ecological distribution: ASE, Mediterranean 5353

Ecology: ANE, Spain, Ria de Muros 13344

Ecology: ASE, Aegean 1871

Environmental effects 8531

Environmental effects: ANW, USA, Maryland 11137

Environmental effects: ASW, Brazil 9699

Estuaries: ANW, USA, Maryland 11137

Evolution 2984

Fats 13251

Fats: INE, Canada, British Columbia 6509

Fats Biosynthesis: INE, Canada, British Columbia, Saanich Inlet 238

Fecundity: AS 3034

Fecundity: ASE, Mediterranean 3034

Feeding 2981, 2984

Feeding: ISE 3137

Fixation 8268

Food conversion: ISE 3137

Food organisms: ISEW, Indonesia, Jakarta Bay 8562

Geographical distribution: ASE, Mediterranean 11882

Geographical distribution: ASW, Jamaica 9271

Geographical distribution: ISW, Ethiopia 1435

Geographical distribution: ISW, India 4193

Geographical distribution: PSE, Southern Ocean 10709, 10911

Geographical distribution: PSW 10911

Histochemistry 12001

Histology 8268

Horizontal distribution: ANE, Germany, Fed.Rep., Kiel Bay 12091

Horizontal distribution: INW, Japan, Oshoro Bay 7522

Lagoons: ASE, Spain, Menor Sea 12076

Life cycle 10908

Light effects 2707

Light microscopy 8268

Marine ecology 2984

Marine ecology: AS 3034

Marine ecology: ASE, Mediterranean 3034

Metabolic rate: AS 2720

Metabolic rate: ISE 2720

- Methodology 7526
 Migrations: PSE, Southern Ocean 10911
 Migrations: PSW 10911
 Morphology (organisms): ANE 3950
 New species: ANE 3950
 New species Morphology: PSW, Chile 1439
 Nitrogen: ANE, Kiel Bight 9685
 Nucleic acids 4185
 Nutritional requirements: ISE 3137
 Oxygen consumption 2707
 Oxygen consumption: PNW, White Sea 12084
 Parasites 4779, 12001
 Parasites: INE, Canada, British Columbia 6509
 Physiology 8531
 Phytoplankton: ANW, USA, Maryland 11137
 Plankton: ANW, USA, Maryland 11137
 Plankton: ISEW 5324
 Pollution effects: ANE, Germany, Fed.Rep., Kiel Bay 12091
 Pollution effects: ASE, Adriatic 5484
 Population density 2707
 Population dynamics Life cycle: ASE, Adriatic 1418
 Pressure effects 7400
 Production (biological): ASE, Lyon Gulf 5402
 Reproduction: ANW, USA, South Carolina 5364
 Reproduction rate: AS 3034
 Reproduction rate: ASE, Mediterranean 3034
 Reproductive behaviour 6159
 Respiration Respiratory quotient 2718
 Respiratory quotient: AS 2720
 Respiratory quotient: ISE 2720
 Salinity tolerance: ASE, Mediterranean 11882
 Seasonal variations: ANE, Norwegian Basin 5339
 Seasonal variations: ANW 12081
 Seasonal variations: ASE, Athens Gulf 12020
 Seasonal variations: ASE, Spain, Menor Sea 12076
 Seasonal variations: ASW, Brazil 9699
 Seasonal variations: INE, USA, Washington, Seattle, Union Bay 8622
 Seasonal variations: INW, USSR, Sakhalin 9701
 Seasonal variations: PNW, Barents Sea 5339
 Seasonal variations: PSW, Chile 6558
 Seasonal variations Production (biological): ASE, Romana 1921
 Skin 12001
 Suspended matter: ANW, USA, Maryland 11137
 Symbiosis 11669
 Taxonomy: America, Amazon R. 6130
 Taxonomy New species: PSW, Chile 1439
 Temperature effects: ASE, Mediterranean 3034
 Temperature effects Embryology: World inland waters 225
 Thermal pollution: ASE, Black Sea 6560
 Tidal currents: ISW, India 4193
 Tolerance 8531
 Ultrastructure 4779
 Vertical distribution: INW, Japan, Oshoro Bay 7522
 Zooplankton 10908
 Zooplankton: ASW, Caribbean 7509
 Zooplankton: ASW, Puerto Rico Trench 7509
 Zooplankton: PSE, Southern Ocean 10911
 Zooplankton: PSW 10911
 Zooplankton Population density: ASE, Tunisia 1875
Copidognathapsis gibbus,
 Taxonomy: ASE, Italy, Secche della Meloria 3956
Copidognathides minutirostris,
 Littoral zone: ANE, France, Roscoff 11712
 New species: ANE, France, Roscoff 11712
Corallimorpharia,
 Ecology: PSW, Antarctica 7132
 Morphology: PSW, Antarctica 7132
 New species: ASW, Curacao 2698
Corallina officinalis,
 Polymorphism 5981
Corallinaceae,
 Environmental effects 4774
 Morphology (organisms) 4774
 Taxonomy 5981
Coralliophila marrati,
 Geographical distribution: ASE, Angola 7367
 New records: ASE, Congo, People's Rep. 7367
Coralliophila meyendorffi,
 Symbiosis 4248
Corallonoxia,
 New species: ASW, Curacao 2660
Corallovesia,
 Coral reefs: ASW, Curacao 2660
 New species: ASW, Curacao 2660
 Parasites: ASW, Curacao 2660
Corbicula,
 Parasites 1763
Corbicula leana,
 Eggs 4927
 Larvae 4927
 Temperature effects 4927
Corbicula manilensis,
 Abundance 4399
 Correlation analysis 4906
 Habitat 4399
 Length-weight relationships 4906
Corbicula sandai,
 Biochemistry 8223
 Chemical analysis 8223
 Fats 8223
Corbula,
 Symbionts: ASE, Black Sea 12155
Cordulia aenea,
 Life cycle: Japan, Sapporo 370
 Reproductive behaviour Territorial behaviour 370
Coregonidae,
 Evolution 6213
 Taxonomy 5048, 6213
Coregonus,
 Food availability: USSR, Inland waters 12349
 Gametogenesis 6253
 Growth rate: USSR, Inland waters 7587
 Hybrids: USSR, Inland waters 6821
 Larvae: USSR, Inland waters 12349

Mortality causes: USSR, Inland waters 12349
 Nutritive value: USSR, Inland waters 6821
 Production (biological): USSR, Inland waters 7587
 Sexual maturity 6253
 Temperature effects: USSR, Inland waters 7587

***Coregonus autumnalis*,**

Juveniles 11943
 Learning behaviour 11943
 Metabolic rate 6453
 Protective behaviour 11943
 Respiratory quotient 6453
 Schooling behaviour 11943

***Coregonus clupeaformis*,**

Auditory organs 10577
 Overfishing: America, Great Lakes 11249
 Predation: America, Michigan L. 11249
 Production (biological): America, Great Lakes 11249
 Ultrastructure 10577
 Yield: America, Great Lakes 11249

***Coregonus clupeoides*,**

Glands 6312
 Hormones 6312

***Coregonus fera*,**

Feeds 10005

***Coregonus lavaretus*,**

Aquaculture: Europe, Constance L. 5593, 5594
 Breeding: Europe, Constance L. 5593
 Hermaphrodites: British Isles, Loch Lomond 1542
 Rearing: Europe, Constance L. 5594
 Water pressure: Europe, Constance L. 5593

***Coregonus nasus*,**

Feeding 6822
 Freshwater aquaculture 6820
 Growing ponds 6820
 Larvae 6822
 Rearing 6822

***Coregonus peled*,**

Bioaccumulation 12204
 Development Embryos 281
 Freshwater aquaculture 6820
 Growing ponds 6820

***Coregonus pollan*,**

Blood 10584
 Polymorphism 10584
 Respiratory pigments 10584

***Coris julis*,**

Fish larvae 13672
 Starvation 13672
 Survival 13672

***Corixidae*,**

Geographical distribution: USA, Colorado 4103
 Habitat: USA, Colorado 4103

***Cornufer*,**

Taxonomy 5103

***Corophium multisetosum*,**

Geographical distribution: ANE, Baltic 6407

***Corophium salmonis*,**

Pollution effects 5488

***Corophium triaenonyx*,**

Abundance: ISW, India, Visakhapatnam 13179
 Development 9575
 Eggs 9575
 Environmental effects: ISW, India, Visakhapatnam 13179
 Population dynamics: ISW, India, Visakhapatnam 13179
 Salinity effects 9575
 Temperature effects 9575
 Temperature effects: ISW, India, Visakhapatnam 13179

***Corvospongilla bohmi*,**

New records: Brazil, Guaiba R. 4067

***Corycaeiidae*,**

Geographical distribution: ASE, Mediterranean 4958
 Morphology (organisms): ASE, France, Banyuls-sur-mer 4958

***Corycus lanceolatus*,**

Environmental effects: PSW, Argentina, Puerto Deseado 11461
 Life cycle: PSW, Argentina, Puerto Deseado 11461
 Polymorphism: PSW, Argentina, Puerto Deseado 11461

***Corymbellus aureus*,**

Anatomy 5977
 New species 5977

***Corynebacterium autotrophicum*,**

Eutrophic lakes 5960
 Microorganisms 5960
 Nutrition 5960

***Corynoma speculator*,**

New records: ASW, USA, Florida 11870

***Coryphaena hippurus*,**

Biochemistry 6305
 Chemical structure 10628
 Haemoglobins 10628
 Oxygen 10628
 Serological studies 6305

***Coryphaenoides acrolepis*,**

Biochemistry 6296
 Swimbladder 6296

***Coryphaenoides rupestris*,**

Abundance: ANW 12455
 Geographical distribution: ANW 12455

***Coryphaenoides suberrulatus*,**

New species: PSE 11743
 Taxonomy: PSE 11743

***Coryphella rufibranchialis*,**

Tubularia larynx: Predation 1737

***Corythoichthys amplexus*,**

New species: ISEW, Fiji 9374

***Coscinodiscus*,**

New species: I, Pacific 2501

***Coscinodiscus eccentricus*,**

Chemical composition 9161
 Cultures 9161
 Salinity effects 9161

***Cosmarium anthophorum*,**

Morphology (organisms) Cytology 2508

- Crangon botrytis*,
 Normalities 11509
 Propophylls 11509
 Electromagnetic radiation 11509
 Environmental effects 11509
- Crangon sanukiense*,
 New species: Japan, Inland waters 12750
- Crangon brasiliensis*,
 Morphology (organisms): Ecuador, Inland waters 6038
 Localities: Ecuador, Inland waters 6038
- Crangon variabilis*,
 Specimens 2588
 Allometry 2588
 Localities 2588
- Crangonidae*,
 Geographical distribution: INE, USA, California 7447
- Crangon nozawae*,
 Development: Japan, Hokkaido, Inland Waters 9354
 Biology: Japan, Hokkaido, Inland Waters 9354, 9355
 Morphology (organisms): Japan, Hokkaido, Inland Waters 9355
 Breeding: Japan, Hokkaido, Inland Waters 9354
 Taxonomy: Japan, Hokkaido, Inland Waters 9355
- Crangon poecilopus*,
 New record: Poland, Hancza L. 1651
- Crangon pollus*,
 Chemistry Pigments 289
- Crangon*,
 Growth: INE, USA, Oregon, Yaquina Bay 9273
 Horizontal distribution: INE, USA, Oregon, Yaquina Bay 9273
 Sexual reproduction: INE, USA, Oregon, Yaquina Bay 9273
 Breeding seasons: INE, USA, Oregon, Yaquina Bay 9273
- Crangon crangon*,
 Bioaccumulation 6690
 Biological rhythms Tides 353
 Salt 6690
 Environmental effects 9554
 Feeding behaviour 5245
 Geographical distribution: ANE, Wadden Sea 8522
 Irradiation 5699
 Feeding statistics: ANE 6896
 Irradiations 9554
 Irradiations: ANE, Wadden Sea 8522
 Population dynamics 9554
 Irradiation: ANE, Germany, F.R., North Sea 6599
 Preservation (fishery products) 5699
 Radioisotopes 6690
 Seasonal variations: ANE, Wadden Sea 8522
 Temperature effects: ANE, Germany, F.R., North Sea 6599
 Vertical migrations 9554
Crangon mucor: Parasitic diseases Sense organs 405
- Crangon septemspinosa*,
 Localities: ANW, USA, New York 3014
- Feeding 12913
 Osmoregulation 12913
 Pollution effects: ANW, USA, New York 3014
- Crangon vulgaris*,
 Cobalt-60 10069
 Irradiation 5689, 10069
 Microbial contamination 10069
 Moulting 11703
 Oxygen consumption 11703
 Preservation (fishery products) 10069
 Respiration 11703
- Crangonidae*,
 PCB 13916
 Pollution effects 13916
 Toxicity 13916
- Crassostrea gigas*,
 Resource development: ASE, Tunisia 7834
 Shellfish culture: ASE, Tunisia 7834
- Crassostrea sowerbii*,
 Autecology: USA, Inland waters 9167
 Environmental factors: USA, Inland waters 9167
 Geographical distribution 9167
 Geographical distribution: New Zealand, North Island Lakes 7370
 Life cycle: USA, Inland waters 9167
 New records: New Zealand, North Island Lakes 7370
 Research programmes: USA, Inland waters 9167
- Crassatellina hollandi*,
 New species 11613
- Crassostrea*,
 Bioaccumulation: PSE, Australia, Melbourne 11009
 Chemical analysis 7886
 Growth: ANW, USA, South Carolina 4497
 Hybridization 194
 Mangrove swamps 13729
 Mathematical models: ANW, USA, South Carolina 4497
 Quality control 7886
 Shellfish culture 5613
 Storage effects 7886
- Crassostrea angulata*,
 Biology: ASE, Portugal 12841
 Larvae Development: ASE, Spain, Guadalquivir Estuary 190
 Shellfish culture: ASE, Spain 13609
 Viral diseases 11997
- Crassostrea belcherii*,
 Brackishwater aquaculture: ISEW, Sabah, Tawau 5609
 Shellfish culture: ISEW, Sabah, Tawau 5609
 Shellfish culture: Sabah 13729
- Crassostrea braziliiana*,
 Shellfish culture: Brazil 13729
- Crassostrea commercialis*,
 Mortality causes: PSE, Australia, New South Wales 7462
 Parasites: PSE, Australia, New South Wales 7461
 Parasitic diseases: PSE, Australia, New South Wales 7462

***Crassostrea echinata*,**

Parasitic diseases: ISEW, Australia 7462
 Poisons (biological): ISEW, Papua New Guinea 11146

***Crassostrea gigas*,**

Aquaculture 5611
 Bacterial diseases 5611
 Bioaccumulation Seasonal variations: ISEW, Hong Kong, Deep Bay 2205
 Chemical composition 9604
 Environmental effects: ISEW, Hong Kong, Deep Bay 13218
 Growth 9604
 Growth: ISEW, Hong Kong, Deep Bay 13218
 Growth rate Length-weight relationships: INW, Korea Rep., Gajado 1703
 Horizontal distribution Introduced species: PSE, Australia, New South Wales 2884
 Immunology: ISEW, Hong Kong 6125
 Invertebrates 5488
 Larvae Rearing 3416
 Marine aquaculture: ANE, Germany F.R. 7831
 Marine aquaculture: ISEW, Hong Kong, Tung Chung Bay 13740
 Marine pollution: ISEW, Hong Kong 6125
 Metals Bioaccumulation: INE, Canada, British Columbia 606
 Pollution effects: Hong Kong 3562
 Public health 9651
 Rearing: ANE, Germany F.R. 7831
 Sexual reproduction: ANE, Germany F.R. 7831
 Shellfish culture: Hong Kong 3562
 Shellfish culture: ISEW, Hong Kong, Tung Chung Bay 13740
 Shellfish culture Introduced species: ANE, France 7828
 Vertical distribution Rearing: ANE, Germany, Fed.Rep. 2131
 Viral diseases: ISEW, Hong Kong 6125
 Zinc Pollution effects 3297

***Crassostrea rhizophorae*,**

Shellfish culture: Cuba 13727

***Crassostrea sikamea*,**

New species: INW, Japan 9241

***Crassostrea tulipa*,**

Shellfish culture: Sierra Leone 13729

***Crassostrea virginica*,**

Ammonia 11646
 Aquaculture 5612
 Bioaccumulation 3256, 4374, 7719, 13479
 Bioaccumulation: ANW, Chesapeake Bay 3222
 Bioaccumulation: ASW, USA, Texas, Galveston Bay 622
 Bioaccumulation Fuels 918
 Bioassays 5433
 Blood cells: ANW, USA, Virginia 8216
 Cadmium 13479
 Diseases 5612, 10864
 DNA 8214
 Dredging: ASW, USA, Florida 10260
 Ecosystems: ANW, USA, South Carolina, North Inlet 10994

Energy budgets: ASW, USA, Georgia, Sapelo I. 13390
 Energy flow: ANW, USA, South Carolina, North Inlet 10994
 Energy flow: ASW, USA, Georgia, Sapelo I. 12140
 Environmental effects: USA, Delaware, Murderkill R. 6761
 Enzymes 6118, 6122, 10460
 Excretion 11646
 Genetics Aquaculture 193
 Growth rate: ASW, USA, Georgia, Sapelo I. 13390
 Haemoglobin 11633
 Histology 5612
 Immunology 8230
 Lethal limits 9889
 Marine aquaculture 13721
 Mercury 7718, 7719
 Mercury Pollution effects 7718
 Mercury Radioisotopes 7719
 Metabolism 5256
 Methodology 5256
 Microbial contamination 3315
 Microbiology Food technology 2215
 Mortality causes: ANW, USA, Virginia 8216
 Nutrients (mineral) 5256, 9889
 Oil pollution Pollution effects 615
 Oxygen consumption: ASW, USA, Georgia, Sapelo I. 12140, 13390
 Oysters Oil pollution: ASW, USA, Texas, Galveston Bay 622
 Pollution effects 7718, 8233, 13479
 Pollution effects Bioaccumulation: ASW, USA, Texas, Galveston Bay 622
 Pollution monitoring 3315
 Radioisotopes 6636
 Resource development: ASW, Mexico Gulf, Tamaulipas 7835
 Salinity effects 8233
 Seasonal variations Metals: ANW, USA, Maryland 1981
 Sediment analysis 6636
 Serological studies 10460, 10864, 11633
 Serology 8230
 Shellfish culture 13721
 Subpopulation: ANW, USA 9241
 Subpopulation: ASW, Venezuela 9241
 Temperature tolerance: ANW, Chesapeake Bay 7724
 Thermal aquaculture: ASW, USA, Texas 2003
 Toxicity 9889
 Tumours: ANW, USA, Virginia 8216
 Underwater exploitation: ASW, USA, Florida 10260

***Crenavolva matsumiyai*,**

New species: INW, Japan, Tanabe Bay 2633

***Crenimugil crenilabis*,**

Reproductive behaviour: ISEW, Marshall Is., Eniwetok 11791
 Schooling behaviour: ISEW, Marshall Is., Eniwetok 11791
 Spawning: ISEW, Marshall Is., Eniwetok 11791

***Crenimugil labrosus*,**

- Hormones 5058
 Oogenesis 5058
 Pituitary gland 5058
Renobia alpina,
 Abundance: British Isles, Wales, Inland waters 12145,
 12145
 Competition: British Isles, Wales, Inland waters 12145
 Environmental effects 4105
Trepidacanta anakensis,
 New species: ISE, Easter I. 4819
Trepidostomum cooperi,
 Seasonal variations: Canada, Ottawa R. 7477
Trepidula fornicata,
 Histology 9086
Treptotrema,
 Parasites: Turkey, Munzur Stream 7467
Treseis acicula,
 Aggregations: ISW, India, Cochin 10923
Treusia phryxa,
 Ecology 10989
 Palaeontology 10989
Cribrilaria paschalis,
 New species: ISE, Easter I. 4819
Cribrina xanthogrammica,
 Acclimation 6463
 Learning behaviour 6463
Tricosphaera carterae,
 Calcium 10420, 10421
 Cell division 10421
 Magnesium 10421
 Mineralogy 10420
 Strontium 10421
 Temperature effects 11917
Tricotopus varians,
 Genetics: ASE, Black Sea 2737
Tricotopus vitripennis,
 Genetics: ASE, Black Sea 2737
Crinoidea,
 Anatomy 9089
 Fossils 9089
 Methodology 9089
 Palaeontology 9089
Crinoniscus equitans,
 Metamorphosis 6162
 Moulting 6162
Cristigera,
 Growth rate 9906
 Methodology 9906
 Pollution monitoring 9906
 Synergism 9906
 Tolerance 9906
Crithidia fasciculata,
 Growth 6476
Crocodylidae,
 Histology 13088
 Morphology (organisms) 13088
 Respiratory organs 13088
Crocodylus johnstoni,
 Temperature effects 6369
 Thermoregulation 6369
Crocodylus niloticus,
 Breeding: Rhodesia 6780
 Conservation: Rhodesia 6780
 Feeding: Africa, Inland waters 10663
 Geographical distribution: Africa, Inland waters 10663
 Life cycle: Africa, Inland waters 10663
 Social behaviour: Africa, Inland waters 10663
Crocodylus palustris,
 Conservation: India, Sayaji Sarovar L. 3360
Crocodylus porosus,
 Temperature effects 6369
 Thermoregulation 6369
Croconema,
 Morphology (organisms): ASE, Yugoslavia 11567
 Taxonomy: ASE, Yugoslavia 11567
Cronia,
 Eggs: ISW, Australia, Western Australia 4920
Crossocarpaceae,
 Terminology: INW, USSR 9119
Crustacea,
 Abundance: America, Erie L. 9708
 Abundance: USA, West Virginia, Moncove Lake 5348
 Amino acids 5246, 7221
 Amino acids: India, Kakinada 12723
 Anoxic conditions 6177
 Arsenic: ANW, Canada 13473
 Atomic absorption spectroscopy Trace constituents 1462
 Bioaccumulation 5448
 Bioaccumulation: ANE, British Isles,
 Northumberland 8732
 Biochemistry 10499
 Biogeography 4080
 Biosynthesis 7221, 11690
 Blood 8283
 Blood: ASW, Curacao 8302
 Blood circulation 8297
 Check lists: USA, West Virginia, Moncove Lake 5348
 Chemical analysis: ANW, Canada 13473
 Chemical composition 11690
 Chemoreception 5246
 Chromatographic techniques 5448
 Chromosomes 12903
 Community composition: America, Michigan L. 4205
 Community composition: ANW, Canada,
 Isles-de-la-Madeleine 8649
 Community composition: Australia, Victoria,
 Corangamite L. 10983
 Conferences: London 12556
 Diurnal rhythm: ASE, Canary Is. 10735
 Ecology: America, Michigan L. 4205
 Environmental effects: USA 4086
 Enzymes 6177
 Enzymes: ASE, Western Sahara 9688
 Eyes Hormones 239
 Fats 5672, 10499
 Feeding 5246
 Fishery economics 12495

- Fishery management: PSE, Australia, Victoria 6905
 Fishery products 6882
 Fishery regulations: PSE, Australia, Victoria 6905
 Food composition: PN, Arctic 8687
 Geographical distribution 4080
 Geographical distribution: USA 4086
 Growth 9609
 Habitat: Finland, Kymijoki R., Lakes 10465
 Heavy metals 7708
 Horizontal distribution 12159
 Horizontal distribution: Finland, Kymijoki R., Lakes 10465
 Hygiene 7882
 Indicator organisms: ANE, Baltic 13415
 Invertebrate larvae: ASE, Ivory Coast 10914
 Ion transport 8305
 Irradiation 13910
 Keys: America, Michigan L. 4205
 Marketing aquatic products: USA 3598
 Mercury: ASE, Africa coasts 13484
 Muscular system 10499
 Muscular systems 6173
 Nerves 6173
 Nervous systems 8255
 New records: ASE, Canary Is 6848
 New records: Finland, Kymijoki R., Lakes 10465
 Nutrition: ASE, Western Sahara 9688
 Oil pollution 5448, 12239
 Oil pollution: PN, Arctic 8687
 Oil pollution Pollution effects 2216
 Organic suspended matter: World lakes 10978
 Osmoregulation 7072, 8305
 Osmoregulation: ASW, Curacao 8302
 Parasites: ANE, Reykjanes Ridge 11991
 Pesticides: ANE, Skaggerak 12258
 Phenols 9879
 Photosynthetic pigments Chemical analysis: INW, Japan 1458
 Pigments Biochemistry 11690
 Pollution effects 7708
 Pollution effects: ANW, USA, New York 3301
 Pollution monitoring 5448
 Population dynamics: ANW, St. Lawrence estuary 9690
 Pressure effects 6173
 Production (biological): World lakes 10978
 Public health 7882
 Quality control Palatability 2216
 Reproductive organs 7221
 Reservoirs Limnological data: USA, North Dakota, Oahe L. 7540
 Reservoirs Zooplankton: USA, North Dakota, Oahe L. 7540
 Reservoirs Zooplankton: USA, South Dakota, Oahe L. 7540
 Resource development: ASW 12410
 Resource development: ISW, Bengal Bay 12444
 Respiration: ISE 3115
 Salinity tolerance: Australia, Victoria, Corangamite L. 10983
 Salt lakes: Australia, Victoria, Corangamite L. 10983
 Seasonal variations: ASE, Ivory Coast 10914
 Serological studies 8283
 Sewage effluents: ANW, USA, New York 3301
 Sex determination 12903
 Shellfish culture 9993
 Shellfish fisheries 12495
 Skeleton 6882
 Sodium 8305
 Speciation 8283
 Stock assessment: ASW 12410
 Stock assessment: ISW, Yemen, Arab Rep. 6949
 Temperature effects 12903
 Tolerance 7708
 Toxicity 7708
 Trade 12495
 Trade: Australia 3596, 7899
 Trade: Brazil 10084
 Vertical distribution: Finland, Kymijoki R., Lakes 10465
 Vertical migrations: ASE, Canary Is. 10735
 Zooplankton: America, Erie L. 9708
 Zooplankton: America, Michigan L. 4205
 Zooplankton: ASE, Ivory Coast 10914
 Zooplankton: ASE, Western Sahara 9688
 Zooplankton: USA, West Virginia, Moncove Lake 5348
 Zooplankton Community composition: USA, North Dakota, Oahe L. 7540
Osteichthyes: Parasites Freshwater: Germany, Fed. Rep. 1777

***Crybelocephalus birsteini*,**
 New species: ASE, Canary Is., Fuertaventura 6148

***Crypthecodinium cohnii*,**
 Chemoreception Chemical stimuli 1388

***Cryptobranchus alleganiensis*,**
 Ageing methods: USA, Missouri, Niangua R. 10809
 Growth rate: USA, Missouri, Niangua R. 10809
 Population structure: USA, Missouri, Niangua R. 10809
 Sexual maturity: USA, Missouri, Niangua R. 10809

***Cryptochironomus*,**
Mollusca: Seasonal variations Parasites: British Isles, Worcester-Birmingham Canal 403

***Cryptochiton stelleri*,**
 Alimentary organs 8245
 Blood 8244
 Calcium 8237
 Carbohydrates 8244, 8245
 Hormones 8244
 Muscular system 8237
 Physiology 8237, 8244, 8245
 Stimuli 8237

***Cryptodira*,**
 Anatomy Taxonomy 2845
 Evolution Palaeontology 2845

***Cryptomonas*,**
 Chlorophylls 9702
 Viruses: INE, USA, Washington 9663

***Cryptomonas rosstratiformis*,**
 Taxonomy 11866
 Water quality: Germany, D.R., Halle 11866

- Cryptonemia delicatula*,**
New species: ASW, Venezuela, Caribbean 10306
- Cryptonemiales*,**
Check lists: INW, USSR 9119
Geographical distribution: INW, USSR 9119
Taxonomy: ISW, Australia, South Australia 1302
- Cryptophyceae*,**
Chromosomes 11504
Mitosis 11504
- Cryptopleura membracea*,**
Reproductive organs 11498
- Cryptopsaras couesi*,**
Parasites 2963
Reproductive behaviour 2963
- Cryptosula pallasiana*,**
Ultrastructure Digestive system 1347
- Ctenochaetus striatus*,**
Poisons (biological): ISE, Tahiti 13892
- Ctenocheilocaris claudiae*,**
New records: Brazil 6135
New species: Brazil 6135
- Ctenodrilidae*,**
Taxonomy 10381
- Ctenodrilus seratus*,**
Nervous system 10381
- Ctenolabrus rupestris*,**
Drugs 5065
Nervous system 5065
Swim bladder 5065
- Ctenopharyngodon idella*,**
Anaesthetics 13687
Aquaculture 2999
Aquaculture: Germany, Fed.Rep., Bavaria, Wielenbach 13678
Aquaculture Breeding 2117
Biological control: USA, Indiana 5544
Chemical control 7767
Chromosomes 12992
Chromosomes Hybrids 2112
Eggs 12992
Enzymes 11790
Fish culture 13651
Genetics 12992, 12995
Herbivores: Southeast Asia 9957
Hybridization 11790, 12995
Hybrids 12995
Hybrids Polyploids 2112
Hybrids Survival 2112
Pesticides 7767
Rearing Methodology 2117
Reproduction: Germany, Fed.Rep., Bavaria, Wielenbach 13678
Reproduction: USSR, Ili R. 6264
Spawning grounds: USSR, Inland waters 6264
Stocking Pest control 2035
Transportation 13687
Viral diseases 2999
Weeds Food composition 2035
- Ctenophora*,**
Bibliographies: ANE 6017
Geographical distribution: ANE 6017
Gravity 6078
Keys: AN 4803
Life history: AN 6017
Morphology: AN 4803
Respiration: ISE 3115
Sense organs 6078
Taxonomy: AN 4803
- Ctenopoma kingsleyae*,**
Parasites: Dahomey 1764
- Cterissa australiensis*,**
Parasites Morphology (organisms): ISEW, Timor Sea 1761
Parasites New species: ISEW, Timor Sea 1761
- Ctymnodinium splendens*,**
Cultures 11196
- Cubomedusae*,**
Life cycle 5818
Noxious organisms: World Tropical Regions, Oceans 5818
Sexual reproduction 5818
Taxonomy 2552
- Cubozoa*,**
Geographical distribution: ASW, Puerto Rico 4849
Morphology (organisms) 12795
Nervous system 12795
Taxonomy 4849, 12795
- Cucullanus heterochrous*,**
Parasitology: ANE, Baltic 12006
- Cucumaria miniata*,**
Sperm 8151
- Cuenestheriella setosa*,**
Development 4113
Environmental effects 4113
Temperature effects 4113
- Culaea inconstans*,**
Hosts 8158
- Culcidae*,**
Radioactive tracers Methodology 126
- Culcita schmideliana*,**
Feeding behaviour: ISW, Malagasy Rep., Tulear 11932
- Culex*,**
Biological control Viruses 783
New records: Iran 6418
- Culex fatigans*,**
Predation 7449
- Culex pipiens*,**
Bacterial diseases Biological control 2030
Ecology 5131
Insecticides 5543, 8802
Larvae 5543
Lethal limits 5543
Meteorology 8618
Population dynamics 8618
- Culex tarsalis*,**
Abnormalities 8308

Eggs 8309

Fecundity 8309

Growth regulators 8308, 8309

Mortality rate 8309

Mutations 8308

Culicidae,

Abundance: Kenya, Kano Plain 8310

Alimentary organs 9333

Antibiotics 12290

Biological control 8803

Catching methods: Kenya, Kano Plain 8310

Check lists: Czechoslovakia, Zahorska Lowland 9324

Check lists: USA, Missouri R. 9323

Check lists: USA, Platte R. 9323

Climate: Czechoslovakia, Zahorska Lowland 9324

Conservation Population control: USA 2031

Control 6774, 12290

Control: Canada, Quebec, Trois Rivières 7766

Geographical distribution: USA, Missouri R. 9323

Geographical distribution: USA, Platte R. 9323

Geographical distribution: USSR 6766

Growth regulators 5540

Larvae 6774, 8803, 9333

Larvae: Canada, Quebec, Trois Rivières 7766

Larvae: Czechoslovakia, Zahorska Lowland 9324

Parasites: USSR 6766

Pest control 5540

Pest control: Canada, Quebec, Trois Rivières 7766

pH 9333

Population control: USA 2031

Seasonal variations: Czechoslovakia, Zahorska

Lowland 9324

Temperature effects 9333

Traps: Kenya, Kano Plain 8310

Culicoides,

Abundance: USA, North Carolina 9321

Collecting devices 9322

Environmental factors: USA, North Carolina 9321

Methodology 9322

Rearing Larvae 2725

Seasonal variations: USA, North Carolina 9321

Traps 9322

Culiseta,

New records: Iran 6418

Culiseta morsitans,

Hosts: USA, New Brunswick, Tantramar Marshes 8588

Spores: USA, New Brunswick, Tantramar

Marshes 8588

Cumacea,

Abundance: INE, USA, California 3952

Geographical distribution: INE, USA, California 3952

New species: INE, USA, California 3952

Seasonal variations: ASE, Ivory Coast 10915

Zooplankton: ASE, Ivory Coast 10915

Cuna gambiensis,

Symbiosis: ASE, Africa 8667

Cuspidaria kurodai,

New species: INW, Japan, Hachijo I., Kurose 2639

Cutleria adspersa,Spermatogenesis Ultrastructure: ASE,
Mediterranean 132**Cutleria multifida,**

Chemical structure 12770

Synthesis 12770

Cyamidae,

Check lists 1424

Taxonomy 1424

Cyanea capillata,

Behaviour 9593

Controlled conditions 9593

Horizontal distribution 9593

Larvae 9593

Tropism 9593

Cyanidium caldarium,

Taxonomy 4772

Cyanobacteria,

Algal blooms 3841

Light effects 3841

Mortality causes 3841

Photosynthetic pigments 4798

Cyanocitta cristata,

Predation 8440

Cyanophyceae,Community composition: ISW, Egypt, Arab Rep., Ras
Muhammad 11442

Enzymes 10357

Eutrophication: ANE, Baltic 9755

Evolution 10357

Food organisms: USA, Massachusetts 10842

Habitat: ISW, Aqaba Gulf, Solar L. 12157

Mangrove swamps: ISW, Egypt, Arab Rep., Ras

Muhammad 11442

Morphology (organisms) 3848

Nitrogen cycle: ANE, British Isles 9782

Osmoregulation 7104

Pigments 8124

Pollution effects 11101

Preservation (fishery products) 11262

Salt marshes: ANE, British Isles 9782

Seaweed processing 11262

Symbionts 7103

Taxonomy New species: Czechoslovakia, Slovakia,

Danube R. 128

Ultrastructure 3848, 7103

Vitamins 10357

Cyanophyta,Check lists Geographical distribution: Senegal,
Mali 339Community composition: ASE, France, Thau
Basin 11466

Nitrogen: ASE, France, Thau Basin 11466

Seasonal variations: ASE, France, Thau Basin 11466

Sediments: ASE, France, Thau Basin 11466

Cyanoplax hartwegii,Avoidance behaviour: INE, USA, California, Pacific
Grove 8683

Diurnal rhythms: INE, USA, California, Pacific Grove,

Mussel Point 8524
 Intertidal environment 8242
 Locomotion: INE, USA, California, Pacific Grove, Mussel Point 8524
 Osmoregulation 8242
 Predation: INE, USA, California, Pacific Grove 8683
 Salinity effects 8242
 Survival 8242
 Survival: INE, USA, California, Pacific Grove, Mussel Point 8524
 Studies: INE, USA, California, Pacific Grove, Mussel Point 8524
Cyclas cornea,
 Taxonomy 4734
Cyclidiopsis acus,
 New records: Japan, Inland waters 12747
 Ultrastructure 4831
Cylocoelum brasilianum,
 Life cycle 6020
 Parasites 6020
Cyclopinae,
 Interstitial environment: ANE, North Sea, Sylt I. 3957
 New species: ANE, North Sea, Sylt I. 3957
Cyclopoida,
 Community composition: IS, North Equatorial Current 2932
 Community composition: ISEW, Sulu Sea 2932
 Vertical migrations: IS, North Equatorial Current 2932
 Vertical migrations: ISEW, Sulu Sea 2932
Cyclops abyssorum,
 Hosts 7469
Cyclops bicuspidatus thomasi,
 Bioassays: America, Michigan L. 13457
 Chlorine: America, Michigan L. 13457
 Pollution effects: America, Michigan L. 13457
 Zooplankton Cultures 1888
Cyclops scutifer,
 Life cycle: Norway 9274
 Vertical distribution: Norway 9274
Cyclopterus lumpus,
 Fish meal Processing fishery products 2189
 Fishery surveys: ANW, Canada, Newfoundland 8849
 Migrations: ANW, Canada, Newfoundland 8849, 10861
Cyclostomata,
 Anatomy 9092
Cyclotella,
 Chlorophylls 9702
 Ultrastructure 9128
Cyclotella cryptica,
 Amino acids 10338
 Light effects 10339
 Metabolism 10337, 10338, 10339
 Photosynthetic pigments 10337
 Salinity effects 10337, 10338
Cyclotella hongkongensis,
 New species: Hong Kong 12742

Cyclotella nana,
 Taxonomy 11476
 Ultrastructure 11476
Cyclothone,
 Taxonomy: ANE 9379
Cyclothone pseudoacclinicens,
 New species: ANE 9379
Cydonium glariosus,
 Geographical distribution: ASW, Brazil 9177
 Morphology (organisms): ASW, Brazil 9177
Cylindrocapsa geminella,
 Cilia 8109
 Spores 8109
 Ultrastructure 8109
Cylindroleberididae,
 Morphology (organisms): ASE, Mauritania 2688
 New species: ASE, Mauritania 2688
Cylindrospermum,
 Biodegradation 5471
 DDT 5471
Cylindrotheca fusiformis,
 DNA 10340
 Enzymes 4796
 Metabolism 10340
 Respiration 4796
 Silicon 10340
Cymbella,
 Algal blooms 3124
 Life cycle Reproduction 126
 Taxonomy 126
Cymbium souliei,
 New species: ASE, Ivory Coast 1399
Cymodocea serrulata,
 Reproductive organs Morphology (organisms) 2500
Cymothoa oestrum,
 Geographical distribution: ASW, Guadeloupe 2892
Cymothoidae,
 Ecology Morphology (organisms): ASE, France 217
 Habitat 2665
 Morphology (organisms)-Biological collections 216
 Parasites 2665
 Taxonomy 2665
Cynatogaster aggregata,
 Locomotion Respiration 1691
Cynodontini,
 Taxonomy 8331
Cynoglossus dubis,
 Curing 4519
Cynolebias bellottii,
 Growth 6477
 Temperature effects 6477
Cynolebias melanotaenia,
 Development 11778, 11779
 Eggs 11778, 11779
 Oogenesis 11778, 11779
 Physiology 11779

***Cynops pyrrhogaster*,**

Calcium 8459

Embryology 7334

Glands 8459

***Cynoscion macdonaldi*,**

Juveniles: ISE, Mexico, Baja California 6219

Morphology (organisms): ISE, Mexico, Baja California 6219

***Cynoscion nebulosus*,**

Electrophoresis: ASW, Mexico Gulf 9677

Regional variations: ASW, Mexico Gulf 9677

Regional variations: ASW, USA, Florida 9677

Subpopulation: ASW, Mexico Gulf 9677

Subpopulation: ASW, USA, Florida 9677

***Cyphocaris anonyx*,**

Vertical migrations: ASE, Canary Is. 7387

***Cyphocaris challengerii*,**

Vertical migrations: ASE, Canary Is. 7387

***Cypraceae*,**

New species 11162

***Cypraea*,**

Biological collections: ISE, Phoenix Is., Canton Is. 2594

Biology 11589

Books 11589

Check lists: ISEW, Marshall Is. 2598

Check lists: ISEW, Marshall Is., Kwajalein 2599

Check lists: ISW, Oman 2597

Check lists: World Oceans 11589

Geographical distribution 11589

Geographical distribution: ISE, Hawaii 2613

Geographical distribution: ISW, Oman 2597

Morphology (organisms): ISE, Phoenix Is., Canton Is. 2594

Speciation: ISE, Hawaii 2613

Taxonomy: ISE, Hawaii 2613

***Cypraea angelicae*,**

New species: ASE, Portuguese Guinea 2615

***Cypraea becki*,**

New records: ISW, Tanzania 2901

***Cypraea cinerea*,**

Habitat 3143

Life cycle: ASW, Jamaica 2600

Population dynamics: ASW, Jamaica 2600

Symbiosis 3143

***Cypraea onyx*,**

Geographical distribution: ISW, Diego Garcia 2596

Habitat: ISW, Diego Garcia 2596

***Cypraea piperita*,**

Terminology 4877

***Cypraea stolidia*,**

Shells: ISEW, Guam 2609

***Cypraea teres*,**

New records: ISW, Jordan, Aqaba 2595

***Cypraea tigris*,**

Abnormalities 2608

Morphology (organisms) 2608

***Cypraea vitellus*,**

Morphology (organisms): ISEW, Solomon Is., Guadalcanal, Marau Sound 10435

***Cypraeidae*,**

Biogeography: World zoogeographic regions 10712

Continental drift: World zoogeographic regions 10712

Diversity index: World zoogeographic regions 10712

Mathematical models: World zoogeographic regions 10712

Migrations: Egypt, Arab Rep., Suez Canal 7377

Speciation: World zoogeographic regions 10712

Zoogeography: ASE, Mediterranean 7377

***Cypretta kawatai*,**

Bioassays 12238

***Cypria ophthalmica*,**

Mercury Pollution effects 1987

***Cyprideis torosa*,**

Aggregations: Belgium 6460

Life cycle 11655

***Cyprididae*,**

New species: India, Madauri 2679

***Cypridina*,**

Bioluminescence 5088

***Cypridinaceae*,**

Taxonomy: ASE, Naples Gulf 2687

***Cyprinae*,**

Terminology 7201

***Cyprinica*,**

Keys 12943

***Cyprinidae*,**

Annual variations: Europe, Constance L. 8565

Blood 10655

Cage culture: Israel 7818

Cells 10601

Check lists: Pakistan, Haro R. 8323

Chromosomes 5056

Commercial species: Czechoslovakia 12356

Diseases 10656

Evolution 10903

Eyes 13005

Feeding behaviour: India, Konar Reservoir 13256

Feeding behaviour: India, Tilaiya Reservoir 13256

Feeding behaviour: USA, Iowa, Clear L. 13266

Feeds 7818

Fish culture 5586

Fish culture: Czechoslovakia 12356

Fish culture: Israel, Ginnosar 7819

Fish culture: Japan 13636

Fish culture: USA, Illinois 13638

Fish culture: USSR, Inland waters 7805

Gametogenesis 10601

Gear selectivity 6808

Genetics 10903

Geographical distribution: Pakistan, Haro R. 8323

Keys 12943

Lesions 10656

Morphology (organisms) 5320

Mucus 10656

Nerves 9353

Nervous systems 13005
 Nutrients (mineral) 13636
 Nutritional requirements 13636
 Pesticides 11056
 10655
 Phosphorus 11056
 Population genetics 5320
 Population genetics: Czechoslovakia 12356
 Production (biological) Farm ponds: Japan, Shizuoka
 Prefecture 885
 Production: Czechoslovakia 12356
 Reproductive organs 10601
 Stupling (biological) Electric fishing: British Isles,
 Dorset 939
 Biological studies 10655
 Sexual reproduction 7278
 Specimen Evolution 1525
 Specimen Taxonomy 1525
 in 10656
 Speciation 10903
 Sensory organs 12959
 Economy 5320
 Structure 9353, 10601
Cypriniformes,
 Harmful substances 8413
 Incubation 8413
 in 8413
Cyprinodon,
 Geographical distribution: USA, California 8621
 Population dynamics: USA, California, Zzyzx
 Spring 8621
Cyprinodon nevadensis,
 Ecosystems: USA, California, Death Valley 13382
 Eggs: USA, California, Saratoga Springs 8370
 Introduced species: USA, California, Death Valley,
 Saratoga Springs 8621
 Production (biological): USA, California, Death
 Valley 13382
 Temperature effects: USA, California, Death
 Valley 13382
 Temperature effects: USA, California, Saratoga
 Springs 8370
Cyprinodon salinus,
 Accession: USA, California, Zzyzx Spring 8621
Cyprinodontidae,
 Behaviour 8543
 Evolution 8543
 Geographical distribution: ASE 7240
 Social behaviour 8543
Cyprinodontiformes,
 Part Biochemistry 1562
Cyprinus,
 Carbohydrates 11263
 Fish culture: Germany, F.R., Inland waters 8756
 Freezing storage 11263
 Proteins 11263
 Storage effects 11263
 Swimbladder 8414
 Transportation 8414

Cyprinus carpio,
 Agropisciculture: Philippines 13632
 Albinism 9393
 Amino acids 12363
 Anatomy 12947
 Anatomy: USSR, Inland waters 12370
 Antibiotics 5598
 Aquaculture 5598, 13704
 Artificial aeration 8836
 Artificial feeding 8828
 Artificial spawning Temperature effects 899
 Bacterial diseases: Brazil 11995
 Biochemistry 5253, 6243
 Biosynthesis 10642
 Blood 10543, 11805
 Breeding 13686
 Breeding: USSR 13274
 Chemical analysis 11805
 Chemoreception 8415
 Chromosomes Hybrids 2112
 Circadian rhythm 7310
 Closed circulation systems 12352, 12353
 Cobalt 13676
 Culture tanks Rearing 2098
 Cytology 2765, 5253
 Digestion 11174
 Disease control 5598, 13274
 Diseases 2103, 6514
 Diseases: Germany, F.R., Bavaria 6513
 Diseases: Germany, Fed.Rep.,
 Ludwig-Donau-Main-Channel 13462
 Diseases Respiratory organs 1806
 Economics 13634
 Eggs 5060, 13684
 Eggs Polyploids 2111
 Embryology 9434, 11775
 Environmental effects 10543
 Enzymes 9446, 11790, 12365
 Excretion Nitrogen 1551
 Eyes 5043
 Farm ponds: Hungary 13705
 Farm ponds Fishery economics: Germany, F.R. 2109
 Fats 9434, 10642, 11824
 Fats Nutritional requirements 384, 385
 Feeding 5253
 Feeds 11174, 12365, 13676
 Feeds Nutritive value: USSR, Inland waters 912
 Fish culture 8828, 12353, 12363, 13651, 13658, 13684,
 13686
 Fish culture: Germany, Fed.Rep., Ahrensburg 13634
 Fish culture: USSR, Inland waters 5602
 Fish culture: USSR, Volga Delta 11175
 Fish culture Diseases 2103
 Fish culture Fishery economics: USSR 2124
 Fish culture Genetics 2111
 Fish larvae: USSR, Inland waters 12370
 Food conversion 11174, 12363
 Freshwater aquaculture 5592, 8836, 12351
 Freshwater aquaculture: Germany, F.R. 10041
 Freshwater aquaculture: Germany, Fed.Rep. 12360
 Freshwater aquaculture Economics 2227

- Fry 11187
 Genetics 6243, 6251, 9393, 12995, 13274, 13658, 13704
 Glands 12947
 Growing ponds 4459
 Growth 10795
 Growth Feeding 376
 Growth rate 5233, 6251, 12352
 Growth regulators 12365
 Habitat improvement 13684
 Heart 7310
 Herbicides 3308, 8763
 Hermaphrodites 11788
 Hibernation: Austria 8832
 Hormones 7307
 Hosts 7469
 Hybridization 9393, 11790, 12995, 13704
 Hybridization: Hungary 12972
 Hybrids 13658
 Hybrids: Hungary 12972
 Hybrids Polyploids 2112
 Hybrids Survival 2112
 Hydrogen 11187
 Immunology 4018, 7295
 Inland fisheries: India 13855
 Introduced species Geographical distribution:
 Australia 325
 Kidney 12947
 Locomotion 7310
 Magnesium 10830
 Mathematical models 10795
 Metabolism 5233, 7307
 Metabolism Feeding 1722
 Metabolism Photosynthetic pigments 288
 Metabolism Temperature effects 284
 Models Eyes 1553
 Morphology (organisms): USSR, Inland waters 12370
 Mortality causes 9393
 Muscular system 9435
 Nerves 8415
 Nervous systems 9435
 Nutrients (mineral) 10830
 Nutrition Farm ponds: Germany, F.R., Bavaria 2106
 Nutritional requirements 10830
 Oil pollution 11061
 Ovaries 10603
 Oxygen 11187
 Oxygen demand 10004
 Oxygen depletion 5602
 Parasites 2103
 Pesticides 8688, 12228
 Photoreceptors 2765
 Physiology 8415
 Pollution effects 5592, 11061
 Polymorphism 6243
 Population genetics 11805
 Production (biological) 13676
 Rearing 5592
 Rearing: Iraq, Basrah 13676
 Rearing Sexual maturity 2127
 Reproductive organs 7286, 11788
 Respiration 9435
 Respiratory organs 10543, 11824
 Scales 11805
 Schooling behaviour 11946
 Seasonal variations 5233
 Serological studies 4018
 Sexual maturity 5060, 7286, 10603
 Spawning 10603
 Starvation 5253
 Statistical analysis 10795
 Stimuli 8415
 Survival 10543, 13676
 Swim bladder 6514
 Temperature effects 5601, 7286, 10642
 Temperature effects Eggs 2111
 Temperature tolerance 5602
 Thermal aquaculture: USSR, Inland waters 5601
 Thermal aquaculture Feeds: USSR, Inland waters 912
 Toxicity 3308, 8688, 12228
 Transportation 11187
 Viruses 6506
Enterobacteriaceae: Symbionts: America, Great
 Lakes 13400
***Cyrtonaias*,**
 Morphology (organisms) Taxonomy 183
***Cystoclonium purpureum*,**
 Biochemistry 10352
 Enzymes 10352
***Cystophora cristata*,**
 Diving 9501
 Hypercapnia 9501
 Respiration 9501
***Cystoseira*,**
 Terminology 8104
***Cystoseira barbata*,**
 Manganese Adsorption 719
 Manganese Anoxic conditions 719
 Manganese Radioisotopes 719
***Cystoseira compressa*,**
 Terminology 8104
***Cystoseira corniculata*,**
 Terminology 8104
***Cystoseira crinita*,**
 Chemical analysis 8128
 Chromatographic techniques 8128
***Cystoseira sediodes*,**
 Population density: ASE, Tunisia, Bizerte 7488
***Cytharoides balechi*,**
 New species: Antarctica 2562
***Dactylagnus*,**
 Geographical distribution: I, Pacific 7249
***Dactylagnus parvus*,**
 New species: I, Pacific 7249
***Dactylogyrus jaini*,**
 New species 4824
***Dactylogyrus zulfikari*,**
 New species 4824

***Dactylopterus volitans*,**

Morphology: ASW, Cuba 2771

Taxonomy: ASW, Cuba 2771

***Dactyloscopus*,**

Geographical distribution: ISE, America 9380

New species: ISE, America 9380

Taxonomy: ISE, America 9380

***Dajardinascaris ritai*,**

New species: ISW, Pakistan 12805

***Daphnia*,**

Bioassays 13459

Chemical composition 10469

Copper 13459

Eyes 8295

Feeding behaviour Vertical migrations: USA,

Michigan 1664

Food organisms 10469

Geographical distribution: Germany, F.R. 10711

Herbicides: USA, Wisconsin, Delafield 7733

Introduced species: Germany, F.R. 10711

New records: Germany, F.R. 10711

Nutrients (mineral) 10469

Pigments Predation 1733

Toxicity 13459

Vision 8295

Water analysis (chemical) 10469

***Daphnia ambigua*,**

Biogeography: Belgium 4060

Geographical distribution: Belgium 4060

***Daphnia carinata*,**

Fertilizers: New Zealand, Mahinerangi L. 6585

***Daphnia cucullata*,**

Temperature effects: USSR, Konakovskaya

Station 9695

Waste heat: USSR, Konakovskaya Station 9695

***Daphnia longispina*,**

Histology 11057

Insecticides 11057

Pesticides 11053

Pollution effects 11057

***Daphnia magna*,**

Autecology: British Isles, England, Audley End 9680

Bioaccumulation 12250

Chemical composition 6175

Chromatic behaviour 5217

Ecology 12229

Enzymes: British Isles, England, Audley End 9680

Feeding 10509

Herbicides 8745

Industrial wastes 11059

Light effects 5217

Methodology 8745

Morphology (organisms) 12886

Moulting 12886

Oil pollution 11059

Pollution effects 3288, 6706, 8745, 9880, 11059

Polymorphism: British Isles, England, Audley End 9680

Population genetics: British Isles, England, Audley

End 9680

Predation 13361

Production (biological) 8745

Radioactive pollution 12250

Respiration 10509

Starvation 10509

Sulphur 8764

Toxicity 3288, 7621

Ultrastructure 12886

***Daphnia pulex*,**

Artificial feeding 4137

Bioaccumulation 8740

Bioassays 12217

Carbon Metabolism 228

Chemical composition 4138, 6175

Chemical pollutants 12217

Environmental effects 13259

Feeding 13259

Feeding behaviour 4137

Length-weight relationships 4138

Light effects 8186

Mercury 8740

pH 13259

Pollution effects 3289

Starvation 4138

Vertical migrations 8186

***Daphnia schoedleri*,**

Environmental effects 11969

Feeding 11969

Food composition 11969

***Dapsilodus*,**

Anatomy: USA, Illinois 10103

Fossils: USA, Illinois 10103

New species: USA, Illinois 10103

***Dardanus arrosor*,**

Protective behaviour 13195

***Darlingtonia californica*,**

Symbiosis 487

***Dascyllus aruanus*,**

Mortality causes 3351

Pollution effects 3306

***Dasyatis americana*,**

Osmoregulation 11799

Reproductive behaviour: ASW, USA, Florida, Marco I.,

Factory Bay 6249

***Dasyatis paŕtinaca*,**

Digestive glands 8076

Enzymes 8076

Hormones 6332

Nervous systems 6332, 6337

Stomach 6337

***Dasybatus sephen*,**

Anatomy Skeleton 2779, 2780

***Datardinascaris*,**

New species: Pakistan 7151

***Daturella chilensis*,**

New species: PSW, Chile, Mocha I. 2547

***Daturella mochana*,**

New species: PSW, Chile, Mocha I. 2547

***Davidius moiwanus tarvii*,**

Eggs 12931

Physiology 12931

Reproduction 12931

***Davisia anoplopoma*,**

New species 162

Anoplopoma fimbria: Parasites 162***Davisia pectoralis*,***Coryphaenoides pectoralis*: Parasites 162***Decapoda*,**

Abundance: ISE, Panama Gulf 10996

Aerobic respiration 10495

Biological collections: PSW, Chile, Magellanic Region 5147, 5148

Biology Population dynamics: ASW, Jamaica 205

Check lists: ASE, Aegean Is., Rhodes 10470

Check lists: ASE, Balearic Is. 13771

Check lists: ISW, Sri Lanka 4224

Check lists: PSW, Chile, Bay of Concepcion 5145

Check lists Geographical distribution: ASW, Brazil, Fernando do Noronha Is. 1614

Collecting devices 2299

Community composition: ASW, USA, Florida 10467

Community composition: ISW, Mascarene Is., Reunion I. 6844

Coral reefs: ISE, Panama 10948

Coral reefs: ISW, Sri Lanka 4224

Cytochemistry 4989

Ecology: ASW, USA, Florida 10467

Ecology: ISE, Panama Gulf 10996

Environmental effects: ISE, Panama 10948

Experimental fishing: ISW, Mascarene Is., Reunion I. 6800

Exploratory fishing: ISW, Mascarene Is., Reunion I. 6844

Feeding behaviour 9621

Fish conversion Centrifugation 3513

Fisheries resources: ASW 12462

Fisheries resources: ISW, India, Gujarat 12452

Fishery management: ANE, British Isles, Norfolk 6861

Geographical distribution: ANW, USA 3960

Geographical distribution: ASE, Aegean Is., Rhodes 10470

Geographical distribution: ASW, USA, Florida 10467

Growth 2976

Hosts: USA, California 8603

Hosts: USA, Washington 8603

Keys: ANW, USA 3960

Larvae Vertical distribution: ASE, Sicily 346

Morphology (organisms) 12887

Moulting 2976

Muscular systems 11663

Nervous system 11691

Nervous systems 10482, 11663

New records: ASE, Aegean Is., Rhodes 10470

New records: ISW, Mascarene Is., Reunion I. 6844

Oxygen consumption 9621

Palaeontology: Barbados 8262

Palaeontology: Trinidad 8262

Pesticides: Canada, British Columbia, Fraser R. 8777

Pesticides: INE, Canada, British Columbia, Fraser

R.Estuary 8777

Pesticides: INE, Georgia Strait 8777

Regeneration 2976

Resource management: ISW, India, Gujarat 12452

Respiration 11691

Sampling (biological): PSW, Chile, Bay of Concepcion 5145

Serological studies 4989

Shellfish catch statistics: ASW 12462

Skeleton 12887

Stock assessment: ANE, British Isles, Norfolk 6861

Stock assessment: ASW 12462

Symbiosis 7552

Taxonomy 6151

Taxonomy: ANW, USA 3960

Traps: ISW, Mascarene Is., Reunion I. 6800

Traps: South Africa 3390

Vertical distribution: ISW, Mascarene Is., Reunion I. 6844

***Decapterus*,**

Fish catch statistics: ISEW, East China Sea 2159

Fishery biology: ISEW, East China Sea 2159

***Decapterus kurroides*,**

Growth Ageing methods: ISEW, Taiwan 1701

***Dehaaninus limbatus*,**

Larvae: ISW, India 10492

Life cycle: ISW, India 10492

Metamorphosis: ISW, India 10492

Morphology (organisms): ISW, India 10492

***Delesseria sanguinea*,**

Growth rate Pressure effects: ANE, Baltic Sea 1711

***Delphinidae*,**

Anatomy 2849

***Delphinopterus leucas*,**

Sound production (biological) 7341

***Delphinus*,**

Diving 5126

Physiology 5126

***Delphinus delphis*,**

Geographical distribution: INE 13758

Research programmes: ASE, Black Sea 13758

Research programmes: INE 13758

Stock assessment: ASE, Black Sea 13844

Stock assessment: INE 13758

Stock identification: INE 13758

***Demania macneilli*,**

New species: ISEW, Australia, Queensland 9288

***Demospongia*,**

Collections: INW, Japan, Shikoku, Anan 2572

Community composition: ASE, Mediterranean 13377

Geographical distribution: PSW, Chile 8493

Habitat: ASE, Mediterranean 13377

Marine ecology: ASE, Mediterranean 13377

Morphology (organisms): ISW 4071

Morphology (organisms): PSW, Chile 8493

New records: ISW 4071

***Dendrobates parvulus*,**

Parasites: Ecuador, Inland waters 6038

- Dendrocoelum coifaiti*,
Chromosomes 6048
- Dendrocoelum coifaiti*,
Chromosomes 10365
- Dendrocoelum lacteum*,
Regeneration Physiology 1375
- Dendrodoa grossularia*,
Locomotion 11850
Morphology (organisms) 5101
Muscular system 5101
Nervous systems 11850
- Dendrodoris goani*,
New species: ISW, India 3927
- Dendrodoris krebsii*,
Albinism: ASW, Brazil, Cananea 2607
- Dendrodoris senegalensis*,
New species: ASE, Senegal 4842
Taxonomy: ASE, Senegal 4842
- Dendrodoris warta*,
Anatomy: ASW, USA, Florida, Treasure I. 11619
Coral reefs: ASW, USA, Florida, Treasure I. 11619
New species: ASW, USA, Florida, Treasure I. 11619
- Dendryphiella salina*,
Biochemistry 2486
- Dentalium entalis*,
Hermaphrodites: ASE, Naples Gulf 3933
Reproductive organs: ASE, Naples Gulf 3933
- Dentex macrophthalmus*,
Fish catch statistics: PSW, Southern African
Coast 11240
- Dentex tumifrons*,
Ageing methods: ISEW, East China Sea 10796
Ageing methods: ISEW, South China Sea 10796
Growth: ISEW, East China Sea 10796
Growth: ISEW, South China Sea 10796
Speciation Enzymes 3051
- Dermasterias imbricata*,
Amino acids 9229
Chemical structure 9229
Enzymes 9229
- Dermatobranchus*,
Geographical distribution: INW, Japan 12849
New species: INW, Japan 12849
Terminology 12849
- Dermochelys*,
Conservation: ISEW, Malaysia 11152
Research programmes: ISEW, Malaysia 11152
- Dermochelys coriacea*,
Anatomy: ASW, Brazil, Marajo I. 11831
Geographical distribution: ASW, Brazil, Marajo
I. 11831
Morphology (organisms): ASW, Brazil, Marajo I. 11831
New records: ASW, Brazil, Marajo I. 11831
- Derocheilocaris remanei*,
Glands 8253
Morphology (organisms) 8253
- Derocheilocaris typica*,
Environmental effects 8532
Salinity tolerance 8532
Temperature effects 8532
- Desmarestia ligulata*,
Acids 10335
Biochemistry 10335
Organic constituents (organisms) 10335
- Desmidiaceae*,
Check lists: Japan, Inland waters 12750
Ecology: Romania 3152
Freshwater ecology 6448
Geographical distribution: Japan, Inland waters 12750
Indicator organisms 6448
New records: Chile, Concepcion 5974
New species: Japan, Inland waters 12750
Taxonomy: Chile, Concepcion 5974
- Desmodora ovigera*,
New species: ASE, Yugoslavia 11567
Taxonomy: ASE, Yugoslavia 11567
- Desmodoridae*,
Morphology (organisms) New species: ANE,
France 157
- Desmoscolex*,
Taxonomy: ISEW, Great Barrier Reef 4807
- Desmoscolex deconincki*,
New species: ISEW, Great Barrier Reef 3862
- Desmoscolex granulatus*,
New species: ISEW, Great Barrier Reef 4807
- Desmoscolex paralaevsi*,
New species: ISEW, Great Barrier Reef 4807
- Desmoscolex wax*,
New species: ISEW, Great Barrier Reef 3862
- Desulfovibrio*,
Biochemistry: ANE, Kiel Fjord 2480
- Devonia perrieri*,
Geographical distribution: ANE, Scandinavia 9544
- Diacyclops bicuspidatus*,
Seasonal variations: America, Erie L. 9708
- Diadema antillarum*,
Development: ASW, USA, Florida 11573
Growth: ASW, USA, Florida 11573
Spawning: ASW, USA, Florida 11573
- Diaphus adenomus*,
New records: ASE 6234
- Diaptomus*,
Competition 12138
Population dynamics 12138
Resource availability 12138
Sympatric populations 12138
- Diaptomus dorsalis*,
Population dynamics: Pakistan, Kinjher L. 13358
Seasonal variations: Pakistan, Kinjher L. 13358
- Diaptomus oregonensis*,
Development 8277
Filter feeders 9625
Food organisms 9625

***Diaptomus pallidus*,**

Geographical distribution: USA, Virginia 4093

***Diaptomus pygmaeus*,**

Geographical distribution: USA, Virginia 4093

***Diarthrodes drachi*,**

New species: ASE, France, Banyuls-sur-mer 4959

***Diarthrodes gravellicola*,**

New species: ASE, Mediterranean 4964

***Diarthrodes tetrastachyus*,**

New species: ASW, Jamaica 9271

***Diastobranthus capensis*,**

Skeleton 7271

Taxonomy 7271

***Diastylis rathkei*,**

Cytology 12911

Development 12911

Diurnal rhythm: ANE, Germany, F.R., Kiel Bay 11896

Ontogeny 12911

Vertical distribution: ANE, Germany, F.R., Kiel Bay 11896

***Diastylis sculpta*,**

Life cycles: ANW, Canada, New Brunswick,

Passamaquoddy Bay 11653

Reproduction: ANW, Canada, New Brunswick,

Passamaquoddy Bay 11653

Seasonal variations: ANW, Canada, New Brunswick,

Passamaquoddy Bay 11653

***Diastylopsis dawsoni*,**

Energy budgets: INW, Japan, Hokkaido 9767

Population dynamics: INW, Japan, Hokkaido 9767

***Diatoma elongatum*,**

Population dynamics: Netherlands, Tjeukemeer 3037

***Diatoma hiemale*,**

Life cycle 5996

Mitosis 5996

***Diatomaceae*,**

Benthic zone: ANE, Germany, Fed.Rep., Weser estuary 4072

Benthos: ANW, Canada, Quebec, Baie de

Chaleurs 6422

Carbohydrates 10349

Check lists: ISE, Tahiti 3068

Community composition 6722

Community composition: ANE, Baltic 9733

Community composition: Czechoslovakia, Piestany Spa 10949

Community composition: Finland, Lake District 8654

Diversity index: Finland, Lake District 8654

Food organisms: USA, Hudson R., Sawkill

Tributary 7454

Fossils: USSR, West Siberia 7928

Growth rate 12768

Growth rate: INE, USA, Alaska 13225

Light effects 12768

Methodology 3826

Morphology (organisms): Canada, Ontario L. 3849

Morphology (organisms): USSR, West Siberia 7928

Mud: Czechoslovakia, Piestany Spa 10949

New species: ISE, Tahiti 3068

Ocean floor: INW, Japan Sea 4706

Organic suspended matter: ISW, Persian Gulf 4662

Palaeontology: USSR, West Siberia 7928

Photosynthesis 12768

Pollution effects 6722

Salinity effects: INE, USA, Alaska 13225

Salinity effects Growth 1717

Seasonal variations: ANE, Norwegian Basin 5339

Seasonal variations: PNW, Barents Sea 5339

Sediment analysis: ANE, Baltic 9733

Taxonomy: Canada, Ontario L. 3849

Thermal springs: Czechoslovakia, Piestany Spa 10949

***Diatomae*,**

Biocoenoses: ISW, Israel, Bardawil Lagoon 7085

Biological collections 6945

Biomass 9801

Classification systems: ISW, Israel, Bardawil Lagoon 7085

Coastal zone 7083

Community composition 9801

Community composition: PSE, Campbell I. 8094

Conferences 6954, 7094

Cultures 7083

Dispersion 7083

Electron microscopy 7089

Epiphytes: PSE, Campbell I. 8094

Fossils 6954

Fossils: Tethys Sea, central Paratethys 7927

Geographical distribution: PSW, Antarctic Ocean 7368

Geographical distribution: Tethys Sea, central Paratethys 7927

Glossaries 7094

Morphology (organisms) 6954, 7089, 7094

New species: ISW, Israel, Bardawil Lagoon 7085

Research institutions 6945

Resting spores 7083

Salinity tolerance: ISW, Israel, Bardawil Lagoon 7085

Sediment collections: Tethys Sea, central Paratethys 7927

Sediment-water interface: PSW, Argentine Basin 7368

Sediments: ISW, Israel, Bardawil Lagoon 7085

Survival 7083

Taxonomy 6945, 6954

Terminology 7089, 7094

Water masses: PSW, Argentine Basin 7368

***Diatomeae*,**

Abundance: Netherlands, Tienhoven 12737

Check lists: Chile, Concepcion 6557

Ecology: Netherlands, Tienhoven 12737

Environmental effects: Yugoslavia, Ohrid L. 8629

Freshwater ecology 5132

Habitat 5132

Lakes: Canada, Yukon 8489

New records: Chile, Concepcion 6557

New records: USA, Utah, Timpanogos Cave 7352

Photosynthetic pigments: France, Pavin L. 11407

Population dynamics: ANW, USA, Delaware Bay 8652

Population dynamics: Yugoslavia, Ohrid L. 8629

Salt marshes: ANW, USA, Delaware Bay 8652

pling (biological): Netherlands, Tienhoven 12737
 sonal variations: Yugoslavia, Ohrid L. 8629
 onomy 5132

Amptodon,

olution 10662
 ographical distribution: Canada, Inland
 waters 10662
 ographical distribution: USA, Inland waters 10662
 orphology (organisms): USA, Inland waters 10662
 iminology 10662

Cathais orbita,

eschemistry 8236
 emical extraction 8236

Centrarchus labrax,

aesthesia 3988
 ificial feeding 11181, 13674
 ificial feeding Feeding equipment 850
 emical composition 11181
 h larvae 13674
 owth Controlled conditions 875
 owth Fry 875
 owth Temperature effects 875
 itritional requirements Artificial feeding 871
 itritional requirements Fats 871
 itritional requirements Proteins 871
 aring 13674
 aring Fry 875
 vival Nutritional requirements 870

Ceratobasis macrogaster,

onomy: West Indies 5003

Chotrachelus grignensis,

id composition 8313
 orphology (organisms) 8313
 w record 8313

Cologlossa cuneata,

eding behaviour: ASE, Biscay Bay 9637
 owth: ASE, Biscay Bay 9612
 opulation structure: ASE, Biscay Bay 9612

Cotyledonae,

w records: USA, California 8519

Crumenia bychowski,

asites: ASE, Tunis Gulf 7134

Ctyocha speculum,

orphology 7141
 leton 7141

Ctyoconus americanus,

w species: Jamaica, Red Gal Ring 3894
 onomy: Jamaica, Red Gal Ring 3894

Ctyosiphon foeniculaceus,

imary production 9753

Ctyostelium discoideum,

gregations 7168
 ervation 7168
 muli 7168

Ctyota dichotoma,

owth 11923
 ht effects 11923

Morphology 11501

Morphology (organisms) 11923

Reproduction 11923

Dictyota hauckiana,

New species: ISW, Arabian Sea 10303
 Taxonomy: ISW, Arabian Sea 10303

Dicyemmenia californica,

Cells 9185
 Larvae 9658
 Life cycle 9658
 Parasites 9185, 9658
 Ultrastructure 9185, 9658

Didacna trigonoides,

Length-weight relationships: USSR, Caspian Sea 7421

Didemnidae,

Check lists: ASE, Adriatic 5162
 Check lists: ASE, Ionian Sea 5162

Didemnum,

Symbiosis: ISE, California Gulf 11003

Didemnum candidum,

Morphology: ISW, Aqaba Gulf 5107
 Taxonomy: ISW, Aqaba Gulf 5107

Didinium nasutum,

Antibiotics 9236
 Environmental effects 9236
 Inhibitors 9236
 Ontogeny 9236
 Spores 9236

Didymium iridis,

Cytology 10275
 DNA 10275
 Genetics 10275
 Polyploids 10275

Diemictylus viridescens,

Metabolism 8476
 Respiration 8476

Dierespongia palla,

New species 11553
 Palaeontology 11553

Digenea,

Larvae 9192
 Life cycle 9192
 Taxonomy 9192

Dileptus visscheri,

Cytology 6068
 Growth 6068

Dinocras megacephala,

Parasites 7466

Dinoflagellata,

Biochemistry 4795
 Biological collections: PSW, Chile, Concepcion
 Bay 5146
 Check lists: ANE, German Bight 11473
 Chemical extraction Acids 148
 Chlorophylls 10344
 Chromosomes 7157
 Cilia 10370
 Community composition: New Zealand, Taitai

- Mt. 13951
 Cytology 4795
 Evolution 5313
 Fossils 4767, 12810
 Fossils: Chatham Is. 13950
 Fossils: New Zealand, Taitai Mt. 13951
 Geographical distribution: ANE, British Isles 5155
 Geographical distribution: ISE, Tahiti 3078
 Indicator organisms: ANE, British Isles 5155
 Locomotion 10370
 Mitosis 7157
 Models 10370
 Morphology (organisms) 10370, 12810
 New records: PSW, Chile, Concepcion Bay 5146
 New species 12810
 New species: Belgium, Gelinden 8635
 New species: ISW, Persian Gulf 8103
 Palaeontology: ANE, British Isles 4801
 Palaeontology: Belgium, Gelinden 8635
 Photosynthetic pigments 4795, 10344
 Phytoplankton: ISEW, Sulu Sea 10933
 Phytoplankton: ISW 10933
 Skeleton 12810
 Taxonomy 4767, 4801
 Taxonomy: ANE, Germany, F.R., Sylt, List 11483
 Waste water 12389
- Dinophilus gyrotilius*,**
 Detergents 8743
- Dinophyceae*,**
 Chemical structure 8111, 8112
 Cytology 10313
 Morphology (organisms): INW, Japan, Fukuyama 9533
 Photosynthetic pigments 10313
 Pigments 8111, 8112
 Spores: INW, Japan, Fukuyama 9533
 Ultrastructure 10313
 Water analysis (biological): INW, Japan, Fukuyama 9533
- Diodon holacanthus*,**
 Ecosystems 3138
- Diogenes edwardsi*,**
 Protective behaviour 5218
 Symbiosis 5218
- Diphyllobothrium*,**
 Parasites Public health 1772
- Diplasicoela*,**
 Red tides Nerves 758
- Diplodon delodontus*,**
 Speciation: South America, La Plata River 5317
 Taxonomy: South America, La Plata River 5317
- Diplodus*,**
 Check lists: World Oceans 7274
 Evolution: World Oceans 7274
 Taxonomy: World Oceans 7274
- Diplomystes*,**
 Mouth parts 5030
- Diploneis microtatos*,**
 Indicator organisms: Tethys Sea, central Paratethys 7927
- Diplophos rebaini*,**
 Plankton New records: PSE, New Zealand 1865
- Diplospinus multistriatus*,**
 Geographical distribution: PSW, Africa 9550
- Diplostomulum*,**
 Life cycle: British Isles, Inland waters 12014
- Diplostomum spathaceum*,**
 Biological control 6523
 Freshwater ecology Parasitic diseases: Europe, Constance L. 1773
 Indicator organisms: ANW, Canada, New Brunswick 11903
 Parasites 6523
 Parasitic diseases Freshwater aquaculture 415
- Diplotriana darnauidii*,**
 Morphology (organisms): Kenya, Baringo L. 9660
 New species: Kenya, Baringo L. 9660
 Parasites: Kenya, Baringo L. 9660
- Diplozoa*,**
 Cytology Ultrastructure 2564
 Evolution 2564
- Diptera*,**
 Biological control Fungal diseases 784
 Biological control Parasitic diseases 785
 Drift organisms: USA, Oklahoma, Honey Creek 11707
 Growth regulators 11145
 Habitat 11145
 Insecticides Larvae 2032
 Larvae: USA, Oklahoma, Honey Creek 11707
 Light effects: USA, Oklahoma, Honey Creek 11707
 Methodology 11145
 Pest control 11145
 Reviews 11145
 Seasonal variations: USA, Oklahoma, Honey Creek 11707
 Symbiosis 487
- Diptera lithotelmatica*,**
 New records: British Isles, Yorkshire 2900
- Dipterosiphonia reversa*,**
 New species: ANW, USA, North Carolina 10714
- Diptychus maculatus*,**
 New records: Pakistan 7236
 New records: Pakistan, Inland waters 12966
- Directmus*,**
 Keys 7241
 Taxonomy 7241
- Discapseudes holthuisi*,**
 New species: ASW, Antilles 1452
- Discias atlanticus*,**
 New records: ISW, Kenya 2895
- Disco*,**
 New species: ASW, Caribbean 7210
- Discocotyle sagittata*,**
 Indicator organisms: ANW, Canada, New Brunswick 11903
- Discoglossus*,**
 Taxonomy 5106

- scoglossus pictus*,
aluminium 8478
gs 5111
es 6354
ertilization 5111
ervous systems 6354
in 8478
- scoglossus pictus pictus*,
romatophores 13083
tology 13083
orphology (organisms) 13083
- scoglossus sardus*,
eciation 5106
- scorbidae*,
erminology 9181
- scotrema crinophila*,
eys 11754
ew species: ISEW, Bismarck Archipelago 11754
mbionts 11754
xonomy: ISEW, Fiji 11754
- ssostichus mawsoni*,
ood: PSE, McMurdo Sound 11820
sheries: PS, Antarctica 9342
shery biology: PS, Antarctica 9342
espiration: PSE, McMurdo Sound 11820
- strupa arietina*,
arvae 7596
- tombangia indica*,
osts 8149
ew species 8149
rasites 8149
- ocinodus*,
eeding behaviour: Malawi, Malawi L. 6241
xonomy: Malawi, Malawi L. 6241
- odecaceria caulleryi*,
exual reproduction: ANE, British Isles,
Northumberland 11579
- polichomacrostomidae*,
nterstitial environment: ISE, Galapagos 3877
ew species: ISE, Galapagos 3877
- poliopsis rubescens*,
ew record: ASW, Bermuda 9523
- onax cuneatus*,
xonomy 10431
- onax fossor*,
nvironmental effects: ANW, USA, Virginia, Wallops
I. 11890
igrations: ANW, USA, Virginia, Wallops I. 11890
ampling (biological): ANW, USA, Virginia, Wallops
I. 11890
ides: ANW, USA, Virginia, Wallops I. 11890
- onax variabilis*,
xonomy 10431
- orosoma petenense*,
Check lists: USA, Nevada, Mead L. 5661
sheries resources: USA, Nevada, Mead L. 5661
raps: USA, Nevada, Mead L. 5661
- Dorvillea erucaeformis*,
Morphology (organisms): ANE, Norway 1365
- Doryteuthis bleekeri*,
Aquariology 10022
Ecology Fisheries statistics: INW, Japan, Hokkaido 976
Transportation 10022
- Doto*,
New species: ANE, British Isles 11609
Taxonomy: ANE, British Isles 11609
- Drapernaldia mutabilis*,
Light effects 10752
- Dreissena polymorpha*,
Ecosystems: Poland, Mikolajskie L. 6611, 13409
Feeding: Poland, Mikolajskie L. 13409
Fouling organisms 3364
Pest control 3364
Plastics Larvae: Germany, Fed.Rep., Constance L. 200
Population density: Poland, Mikolajskie L. 6611
Primary production: Poland, Mikolajskie L. 13409
Seasonal variations: Poland, Mikolajskie L. 6611
- Drepaneidae*,
Terminology 5020
- Drepanotrema*,
Dessication 12284
- Drosophila melanogaster*,
Carbon dioxide 6506
- Drunella karasuensis*,
New species 9328
- Dryopoidea*,
Geographical distribution: USA 1626
- Dugesia dorotocephala*,
Avoidance behaviour 13196
Cannibalism 13196
Cytology 11580
Electron microscopy 11580
Hosts: USA, Michigan 8155
Ion transport 9227
Learning behaviour 13196
Light effects 13196
Oogenesis 11580
Osmoregulation 9227
- Dugesia indonesiana*,
Chromosomes: Java 8171
Population genetics: Java 8171
- Dugesia japonica*,
Chromosomes: Japan, Osaka 3916
Geographical distribution: INW, Japan, Southwest
Is. 11570
Morphology (organisms): INW, Japan, Southwest
Is. 11570
New records: INW, Japan, Southwest Is. 11570
Reproductive organs: INW, Japan, Southwest Is. 11570
- Dugesia lugubris*,
Taxonomy 12791
- Dugesia mediterranea*,
Mitosis 7163, 7164

New species 7163, 7164, 12791

Physiology 7164

Regeneration 7163

***Dugesia polychroa*,**

Biochemistry: ANW, Canada, Toronto 5248

Nutritional requirements: ANW, Canada, Toronto 5248

Seasonal variations: ANW, Canada, Toronto 5248

Taxonomy 12791

***Dugesia tigrina*,**

Asexual reproduction 3910

Behaviour 10770

Freshwater ecology: Netherlands 6413

Histochemistry 8181

Hosts: USA, Michigan 8155

Light effects 10770

Locomotion 10770

New records: Netherlands 6413

Regeneration 8181

Succession: Netherlands 6413

***Dugong dugong*,**

Ageing methods 8555

Anatomy 13063

Bibliographies 13063

Ecology 13063

Legislation 13839

Morphology 13063

Mouthparts 8555

Reviews 13063

Stock assessment: ISW 13839

***Dunaliella*,**

Pollution effects 4372

***Dunaliella bioculata*,**

Toxicants 7120

***Dunaliella peircei*,**

Insecticides 3296

***Dunaliella tertiolecta*,**

Cultures 10021

Mercury 6708

Tolerance 6708

***Dunker*,**

Taxonomy 2630

***Durvillea caepestipes*,**

Introduced species: PSW, Argentina, Patagonia 929

***Dyscophus quinquelineatus*,**

Larvae 4047

Morphology (organisms) 4047

***Dytaster cherbonnieri*,**

New species: AS 158

***Dytiscidae*,**

Poisons (biological) 11817

Taxonomy 1474

***Dytiscus marginalis*,**

Biology 10527

Feeding behaviour 10527

Hatcheries 10527

Larvae 10527

***Echinaster*,**

Acids 4860

Carbohydrates 4860

Fats 10406

Reproduction 4860

Seasonal variations 10406

***Echinaster modestus*,**

Hormones 8184

Methodology 8184

Reproductive organs 8184

Spawning 8184

Water temperature 8184

***Echineulima*,**

Anatomy: World tropical regions 8196

Biology: World tropical regions 8196

New species: World tropical regions 8196

Parasites: World tropical regions 8196

***Echiniscoides sigismundi*,**

Muscular system 4821

Ultrastructure 4821

***Echinobothrium harfordi*,**

New species: ANE, North Sea 8594

Parasites: ANE, North Sea 8594

***Echinocardium cordatum*,**

Biochemistry 9216

Chemical analysis 9216

Geographical distribution 4823

Morphology (organisms) 4823

Radioactive pollution 5507, 7645

Reproductive organs 9216

Taxonomy 4823

***Echinocephalus sinensis*,**

Diseases 9651

New records Hosts: ISEW, Hong Kong 1750

Parasites Anatomy 1750

Public health 9651

***Echinochloa colonum*,**

Biological control 13517

Plant control 13517

***Echinoderes pacificus*,**

New species: ISE, Galapagos 3881

***Echinoderma*,**

Geographical distribution: ASW, Brazil 4061

***Echinodermata*,**

Benthos: PSW, Chile, Concepcion Bay 5129

Biochemistry 5945

Biogeography: ISW, Qatar 12512

Biological collections: PSW, Marion I. 5142

Check lists: ASE, Cyprus 12782

Check lists: PSE, New Zealand, Kauerua 9548

Community composition: ANW, Canada,

Iles-de-la-Madeleine 8649

Coral reefs: IS 7553

Ecology: ASE, Cyprus 12782

Embryology 5945

Fishery products: Japan 3515

Fossils: ISW, Qatar 12512

Geographical distribution: PSE, New Zealand,

Kauerua 9548

Geographical distribution: PSW, Chile, Concepcion Bay 5129

- Microorganisms 7599
 Morphology (organisms) 11547
 Nervous systems Ultrastructure 2553
 Pollution effects: ASW, USA, Florida 12257
 Sampling (biological): PSW, Chile, Concepcion Bay 5129
 Taxonomy 11547
 Temperature effects 13438
***Echinogammarus*,**
 Geographical distribution Taxonomy: Italy 209
***Echinogammarus cannubiniensis*,**
 New species: Lebanon 218
***Echinogammarus palmyrensis*,**
 New species: Syria 218
***Echinogammarus tabu*,**
 New species: Lebanon 218
***Echinoidea*,**
 Benthos: ASW, Belize 3091
 Environmental effects 12807
 Magnesium 12807
 Morphology (organisms) 12807
 Morphology (organisms): ASW, Belize 3091
***Echinoidea*,**
 ATP 10410
 Biogeography: ISE, Chile 6019
 DNA 10392
 Drugs 6079
 Eggs 10399, 10410
 Embryos 6079, 10410
 Evolution 10392
 Fertilization 10393
 Fossils: ISE, Chile 6019
 Genetics 10392
 Hosts: World tropical regions 8196
 Keys: PSW, Chile 6019
 Magnesium 10399
 Ontogeny 10399
 Photoreceptors 9214
 Phototaxis 9214
 Reproduction 10393
 Sympatric populations 10393
 Taxonomy: ISE, Chile, Eastern Islands 6025
 Ultrastructure 10410
***Echinolampas crassa*,**
 Autecology 8179
 Feeding behaviour 8179
 Reproduction 8179
 Temperature effects 8179
***Echinometra mathaei*,**
 Community composition: INW, Japan 10959
 Copper 11096
 Development 13438
 Horizontal distribution 13438
 Temperature effects 13438
***Echinometra vanbrunti*,**
 Enzymes Embryos 1378
***Echinorhynchus*,**
 Morphology 6044
 Taxonomy 6044
***Echinorhynchus gadi*,**
 Parasitology: ANE, Baltic 12006
***Echinospaerium nucleofilum*,**
 Cells 12789
 Light microscopy 12789
 Reproduction 12789
***Echinostoma lahorensis*,**
 Life cycle: Pakistan, Lahore, Inland waters 12803
 New species: Pakistan, Lahore, Inland waters 12803
 Parasites: Pakistan, Lahore, Inland waters 12803
***Echinostoma lindoense*,**
 Parasites 7474
***Echinostrephus aciculatus*,**
 Community composition: INW, Japan 10959
***Echinozoa*,**
 New records: ASW 4810
***Echinus*,**
 Chromosomes Nucleic acids 2576
***Echiodon rendahli*,**
 Eggs Morphology (organisms): PSE, New Zealand 1544
***Echiurida*,**
 Marine ecology: ASW, Brazil, Ilha Grande 4811
 Taxonomy: ASW, Brazil, Ilha Grande 4811
***Echiuroidea*,**
 New records Geographical distribution: ASE, Portugal 324
***Ecteinascidia turbinata*,**
 Pigments 2859
***Ectinosoma soyeri*,**
 New species: ASE, Black Sea 4971
***Ectocarpus*,**
 Enzymes 10336
***Ectocarpus siliculosus*,**
 Gametes Sex determination 2513
 Reproduction 5985
 Spores 5985
***Ectoprocta*,**
 Geographical distribution Abundance: ANE, British Isles, Northumberland 1661
 Palaeontology 7136
 Taxonomy 7136
***Ectreposebastes imus*,**
 New records: ANW, USA, South Carolina 2916
***Edwardsia ivelli*,**
 New species: ANE, British Isles, Sussex 2556
 Protective behaviour 2556
***Edwardsiella tarda*,**
 Cultures 13280
***Egmundella modesta*,**
 New species: ISW, Seychelles 9173
***Egregia laevigata*,**
 Lead 12243
***Eichhornia crassipes*,**
 Aquatic plants Weeds: USA, Florida 4419
 Biological control 7227
 Biomass 6582

- Economic models 12289
 Environmental effects: Egypt, Arab.Rep., Nile R. 6763
 Growth 6582, 11953
 Growth: Egypt, Arab.Rep., Nile R. 6763
 Harvesting 12289
 Nutrients (mineral) 6582, 7577
 Plant control 12289
 Plant control: Argentina 11709, 12924, 13514
 Plant control Diseases 787
 Plant control Herbicides: USA 2038
 Production (biological) 6582, 7577
 Production (biological): Egypt, Nile R. 7676
 Sewage effluents 11953
 Weeds Biological control: USA 2026
 Weeds Biological control: USA, Florida 4419
 Weeds Fungal diseases: USA, Florida 4419
 Weeds Plant control: USA 2026
 Weeds Plant control: USA, Florida 2027, 4419
- Eigenmannia*,**
 Larvae Electric organs 2821
 Locomotion 13199
 Nervous system 13199
- Eigenmannia virescens*,**
 Bioelectricity 13193
 Social behaviour 13193
 Temperature effects 13193
- Eimeria*,**
 Food chains 3070
 Parasites 3070
- Eimeria anguillae*,**
Anguilla australis: Parasites Morphology (organisms):
 PSE, New Zealand 1799
- Eimeria juniataensis*,**
 New species: USA, Pennsylvania, Juniata R. 6036
 Parasites: USA, Pennsylvania, Juniata R. 6036
- Eimeria prevoti*,**
 Parasites 3023
- Eiseniella tetraedra*,**
 Population density: USA, Colorado 13336
 Rivers: USA, Colorado 13336
- Ekalakia lamberti*,**
 New species 11666
 Palaeontology 11666
 Taxonomy 11666
- Elachista fucicola*,**
 Life cycle 9145
- Elasipoda*,**
 Morphology: World oceans 8148
 Taxonomy: World oceans 8148
- Elasmobranchii*,**
 Blood: I, Pacific 11825
 Brain 6335
 Carbohydrates 6335
 Chemical composition: ASE, Canary Is. 13539
 Commercial species: ASE, Canary Is. 13539
 Eyes Ultrastructure 1497
 Fats 6335
 Fishing methods: ASE, Canary Is. 13539
 Geographical distribution: ASE, Canary Is. 13539
- Haematology: I, Pacific 11825
 Olfactory organs 6238
 Vertical distribution: ASE, Canary Is. 13539
- Electrophorus*,**
 Enzymes 7311
- Electrophorus electricus*,**
 Biochemistry 6277, 11804
 Bioelectricity 2837, 6277
 Chemical analysis 11814
 Drugs 8409
 Electric organs 2837, 6315, 7305, 8409, 10616, 11804, 11814
 Enzymes 7305, 11814
 Nerves 10616
 Poisons (biological) 6277
- Eledone cirrosa*,**
 Anatomy 10449
 Brain 10449
 Heart 10449
 Hormones 10449
- Eleocharis uniglumis*,**
 Growth regulators 4136
 Sodium 4136
- Eleotridae*,**
 Taxonomy Morphology: ASW, Cuba 1517
- Elminius modestus*,**
 Growth 7430
 Shells 7430
 Tides 7430
- Eloдея canadensis*,**
 Ecosystems: Netherlands, Vetchen L. 13395
 Fertilizers 6478
 Seasonal variations: Netherlands, Vetchen L. 13395
- Eloдея densa*,**
 Bioaccumulation 4319
 Toxicity 4319
- Elops hawaiiensis*,**
 Fish culture: Fiji, Viti Levu, Ravi Ravi 3409
- Elysia viridis*,**
 Symbiosis 7602
- Embiotoca lateralis*,**
 Feeding behaviour: INE, USA, California, Santa Barbara 10832
 Feeding behaviour: INE, USA, Santa Cruz I. 10832
 Stomach contents: INE, USA, California, Santa Barbara 10832
 Stomach contents: INE, USA, Santa Cruz I. 10832
- Emblemariopsis pricei*,**
 New species: ASW, Belize 6204
- Emerita*,**
 Check lists 9529
 Geographical distribution 9529
- Emerita analoga*,**
 Ecological distribution: PSW, Chile, Llico 3027
- Emerita asiatica*,**
 Haematology 2705
 pH 2705

***Emerita talpoida*,**

Food composition: ANW, USA, North Carolina 10831

***Emmelichthyops ruber*,**

New species: ASE 9382

***Emydidae*,**

Chromosomes 6547

Evolution 6547

Genetics 6547

Speciation 6547

***Emys orbicularis*,**

Embryology 8434

Pituitary gland 8434

***Enallagma carunculatum*,**

New records: USA, Maine 1631

***Enallagma cyathigerum*,**

Freshwater ecology: British Isles, Cheshire, Dunham

Park 5308

Population studies: British Isles, Cheshire, Dunham

Park 5308

***Enallagma minusculum*,**

Morphology (organisms): USA, North Carolina, White

L. 3980

***Enchiridium japonicum*,**

Taxonomy: ISE, Hawaii 11563

***Encope grandis*,**

Marine ecology: ISE, California Gulf 5295

***Endeidae*,**

Taxonomy 11714

***Endeis charybdae*,**

Geographical distribution: A, Atlantic 2919

Morphology (organisms) 2919

New records: ASE, Adriatic 2919

***Endeis laevis*,**

Life cycle: ANE, British Isles 10395

Oogenesis: ANE, British Isles 10395

***Endeis viridis*,**

New species: PSE, Crozet Is. 11714

***Endodinium*,**

Biochemistry 4776

Symbiosis 4776

Taxonomy 4776

Ultrastructure 4776

***Endophragmia triseplata*,**

New species 11449

***Engraulis*,**

Resource development: Peru 3496

***Engraulis anchoita*,**

Stock assessment: PSW, Argentina 6789

***Engraulis encrasicolus*,**

Abundance Spawning: ASE, Trieste Gulf 2808

Biology: ASE, Spain, Biscay Bay 13324

Fisheries: ASE, Spain, Biscay Bay 13324

***Engraulis japonica*,**

Bioaccumulation: INW, Japan, Osaka Bay 11077

Biomass Plankton: INW, Japan 1624

Ecology: INW, Japan Sea 10987

Fish catch statistics: INW, Japan Sea 10987

Fishery surveys: INW 5624

Fishery surveys: ISEW 5624

Growth: INW, Japan, Osaka Bay 11077

PCB: INW, Japan, Osaka Bay 11077

Seasonal variations: INW, Japan Sea 10987

***Engraulis mordax*,**

Age composition 9358

Enzymes 2834

Metabolism 2834

Morphology (organisms) 9358

Mortality rate: INE, USA, California 10059

Otoliths 9358

Recruitment: INE, USA, California 10059

Stock assessment: INE, USA, California 10059

***Engraulis ringens*,**

Canned products: Peru 11256

Eggs: ISE, Peru 11784

Feeding behaviour: ISE, Peru 7448

Fish protein concentrate: Peru 11256

Fishery products: Peru 11256

Larvae: ISE, Peru 11784

Ontogeny: ISE, Peru 11784

Spawning: ISE, Peru 11784

Vertical distribution: ISE, Peru 11784

Yield: ISE, Peru 2162

***Enhydra lutris*,**

Anatomy 2847

Biology: IN 13073

Geographical distribution: IN 13073

Marine ecology: IN 13073

Muscular systems 2847

Stock assessment: IN 13073

Taxonomy Speciation 1835

***Enhydrosoma baruchi*,**

New species: ANW, USA, South Carolina 1440

***Enneacanthus chaetodon*,**

Ecology: USA, Virginia 4094

New records: USA, Virginia 4094

***Enoplida*,**

New species: USSR, Baikal L. 9197

Taxonomy: USSR, Baikal L. 9197

***Enoplometopus antillensis*,**

Morphology (organisms): ASW, Brazil 8260

***Ensis minor*,**

Growth: ASE, Adriatic 9611

***Entamoeba histolytica*,**

Chemical control 3356

***Entamoeba invadens*,**

Fats 2581

***Enterobacter cloacae*,**

Fish solubles 13907

Fishery products 13907

Microbial contamination 13907

***Enterobacteriaceae*,**

Microorganisms: ASE, Ivory Coast, Ebrie Lagoon 7662

Pollution surveys: Canada, Great Lakes Region 8696

***Enteromorpha*,**

Light effects Gametes 1676
 Morphology (organisms) 4766
 Temperature effects Gametes 1676

***Enteropneusta*,**

Geographical distribution New records: ASE,
 Portugal 323

***Entobdella soleae*,**

• Development 2578
 Enzymes 2578
 Larvae 2578
 Parasites 2578

***Entocytheridae*,**

Bibliographic information 1423

***Entomophthora*,**

Fungal diseases Biological control 784

***Entophlyctis*,**

Mitosis Ultrastructure 1287

***Entosiphon obliquum*,**

New records: Japan, Inland waters 12747

***Entosphenus japonicus*,**

Blood 11809
 Chemical properties 11809
 Electrophoresis 11809
 Proteins 11809

***Eopsetta grigorjewi*,**

Migrations Seasonal variations: INW, Japan Sea 1667

***Ephemera danica*,**

Symbionts: Sweden, Stampenbaecken 10982

***Ephemerella grandis*,**

Heavy metals 9819
 Indicator organisms 9819
 Pollution monitoring 9819

***Ephemerella ignita*,**

Abundance: British Isles, Dorset, Bere Stream 10891
 Growth: British Isles, Dorset, Bere Stream 10891
 Population dynamics: British Isles, Dorset, Bere
 Stream 10891
 Seasonal variations: British Isles, Dorset, Bere
 Stream 10891

***Ephemerellidae*,**

Biological collections: USSR, Issyk-kul Depression 9328

***Ephemeroptera*,**

Check lists: British Isles, Wales 2723
 Diurnal rhythm: France, Auvergne, inland
 waters 13162
 Drift organisms: Czechoslovakia, Inland waters 13386
 Drift organisms: France, Auvergne, inland
 waters 13162
 Life cycle: British Isles, Severn R. 8317
 Population parameters: Sweden, Lapland, Vindelaelven
 R. 8639
 Seasonal variations: Czechoslovakia, Inland
 waters 13386
 Thermal pollution: British Isles, Severn R. 8317

***Ehippodonto oedipus*,**

Evolution 11625

New species 11625

Reproduction 11625

Sexual dimorphism 11625

***Ephydatia fluviatilis*,**

Aggregations 9564
 Asexual reproduction 8175
 Biological rhythms 9564
 Feeding behaviour 4153
 Locomotion 9564
 Mathematical models 9564
 Microorganisms 4153
 Morphology (organisms) 4153
 Physiology 4153

***Epiactis*,**

Taxonomy Terminology: PSE, New Zealand 1358

***Epischura baicalensis*,**

Pollution effects: USSR, Baikal L. 11062

***Epithelionematobothrium fragile*,**

New species: ASW, USA, Florida 1762

***Epithemia*,**

Fossils: USA, Alaska 6931

***Epoicocladins ephemeræ*,**

Symbionts: Sweden, Stampenbaecken 10982

***Eptatretus burgeri*,**

Muscular system Proteins 1560
 Nervous systems 8333
 Proteins Temperature effects 1560
 Respiratory organs 2853
 Secretory products 8333
 Ultrastructure 2853, 8333

***Eptatretus longipinnis*,**

New species: ISW, Australia, South Australia 1492

***Eptatretus stoutii*,**

Electrophoresis 11811
 Mucus 11811
 Proteins 11811

***Equula equula*,**

Bioluminescence 6364
 Ultrastructure 6364

***Eretmochelys imbricata*,**

Eggs 9481
 Fishery biology: ASW, Caribbean 811
 Incubation 9481
 Nature conservation: ISW, Seychelles 9476
 Population dynamics: ISW, Seychelles 9476
 Reproduction: ISW, Seychelles 9476

***Ergasilus sieboldi*,**

Pesticides 11071

***Ergenstrema mugilis*,**

Larvae 6029
 Morphology (organisms) 6029

***Erycymba buccata*,**

Autecology: USA, Indiana, Vigo County 9624
 Feeding behaviour: USA, Indiana, Vigo County 9624
 Lateral line 6221
 Nerves 6221

Seasonal variations: USA, Indiana, Vigo County 9624
 Stomach contents: USA, Indiana, Vigo County 9624
 Ultrastructure 6221
Eschrichtius barbatus,
 Parasites: INW, Okhotsk Sea 3001
Eschrichtius oblongus,
 Parasites: USA, North Carolina, Raleigh L. 13300
Eschrichtius robustus: Parasites: USA, North Carolina 1794
Eschrichtius sinensis,
 Mats 1461
Eschrichtius nodesmis,
 Morphology 9132
 Taxonomy 9132
Eschrichtius pobbella,
 Muscular systems 8188
 Ultrastructure 8188
Eschrichtius pobbella octoculata,
 Development 8169
 Life cycle Pollution effects 1986
 Reproductive organs 8169
Eschrichtius errantia,
 Invertebrate larvae: INE, USA, California 4853
 Metamorphosis: INE, USA, California 4853
Eschrichtius vilia,
 Geographical distribution 2620
 Taxonomy 2620
Eschrichtius formosus,
 Geographical distribution: ASW, Brazil 9177
 Morphology (organisms): ASW, Brazil 9177
Eschrichtichia coli,
 Generation 13894
 Environmental effects 11909
 Environmental factors: ANW, USA, Chesapeake Bay,
 Rhode R. 2943
 Enzymes 13894
 Habitats: ANE, British Isles, Liverpool Bay 11350
 Habitats: ANW, USA, Chesapeake Bay, Rhode
 R. 12171
 Freezing storage 8883
 Freshwater pollution: ANW, USA, Chesapeake Bay,
 Rhode R. 12171
 Human food 6890
 Marine pollution 11038
 Microbiological analysis 8716
 Pollution control 12270
 Pollution monitoring 8716, 13418
 Public health 13418
 Recording equipment 8074
 River flow: ANW, USA, Chesapeake Bay, Rhode
 R. 12171
 Sediment analysis 11909
 Sewage 11038
 Starvation 4741
 Storage effects 8883
 Survival 11038, 11909
 Survival: ANW, USA, Chesapeake Bay, Rhode R. 2943
 Survival: USA, Colorado 4741
 Survival Rivers 1280
 Water analysis (biological) 8074, 13418

Water analysis (biological): ASE, Trieste Gulf 9097
 Water quality: ANE, Germany, F.R., Weser estuary 1
 Water quality: ANW, USA, Chesapeake Bay, Rhode
 R. 12171

Eschrichtius gibbosus,
 Chemical structure 9488
 Haematology 9488

Eschrichtius robustus,
 Geographical distribution: INW, Japan 9562
 Legislation: IN 13835
 Migrations: INE, USA, California 1597
 Migrations: INW, Japan 9562
 Respiration: INE, USA, California 1597
 Stock identification: IN 13835
 Stock identification: ISE, Mexico 13835
 Subpopulation: IN 13835

Esomus danrica,
 Bioassays 13475
 Feeding behaviour 13241
 Pesticides 13475

Esox,
 Ontogeny 2767
 Skeleton 2767

Esox americanus vermiculatus,
 Autecology: USA, West Virginia, Twelvepole
 Creek 11721
 Biology: USA, West Virginia, Twelvepole Creek 11721
 Food organisms: USA, West Virginia, Twelvepole
 Creek 11721
 Life cycle: USA, West Virginia, Twelvepole
 Creek 11721

Esox lucius,
 Age composition: British Isles, Frome R. 7233
 Age composition: British Isles, Stow R. 7233
 Anatomy 7297
 Biochemistry 13039
 Blood cells 7293
 Circulatory system 7293
 Condition factor: Sweden, Marmen L. 9873
 Detergents 13443
 Development 7293, 7297
 Ecology 11071
 Eyes 6240, 7297
 Feeding: British Isles, Frome R. 7233
 Feeding: British Isles, Stow R. 7233
 Feeding: USSR, Volga Delta 12285
 Food consumption: ANE, Finland, Oulujoki
 Estuary 13321
 Food conversion: ANE, Finland, Oulujoki
 Estuary 13321
 Gear selectivity Mathematical models 821
 Hormones 13039
 Indicator organisms: Stockholm Archipelago 12255
 Industrial wastes: Sweden, Marmen L. 9873
 Mercury: Sweden, Marmen L. 9873
 Metabolism 6492, 13039
 Parasites 7481, 11071, 12015
 Pollution effects 13443
 Pollution effects: Stockholm Archipelago 12255
 Predation 10753

Production (biological): ANE, Finland, Oulujoki Estuary 13321
 Reproduction: British Isles, Frome R. 7233
 Reproduction: British Isles, Stow R. 7233
 River discharge: USSR, Volga Delta 12285
 Sex ratios: ANE, Finland, Oulujoki Estuary 13321
 Size distribution: Sweden, Marmen L. 9873
 Starvation 6492
 Tagging: ANE, Finland, Oulujoki Estuary 13321
 Toxicity 13443
 Viral diseases 6506
 Vision 6240

***Esox masquinongy*,**

Eggs: USA, Wisconsin 4463
 Fish culture: USA, Wisconsin 4463
 Life cycle: USA, West Virginia 4016

***Esox niger*,**

Pollution effects: USA, Georgia, Suwannee R. 12224

***Etheostoma*,**

Feeding behaviour: USA, Oklahoma 10835
 Habitat: USA, Oklahoma 10835
 Reproductive behaviour 6248
 Stimuli: USA, Oklahoma 10835
 Water colour: USA, Oklahoma 10835

***Etheostoma acuticeps*,**

Geographical distribution: USA, North Carolina, Tennessee R. 10710

***Etheostoma squamiceps*,**

Conservation: USA, Indiana, Posey County 9350
 Geographical distribution: USA, Indiana, Posey County 9350

***Etheostomatini*,**

Hosts: USA, Minnesota, Zumbro R. 10867

***Etheria elliptica*,**

Evolution 11614
 Taxonomy: Africa, Laupula R. 11614
 Taxonomy: Africa, Victoria L. 11614

***Ethmalosa fimbriata*,**

Fishery biology: ASE, Gambia 11724
 Length-weight relationships: ASE, Gambia 11724
 Migrations: ASE, Gambia 11724
 Sexual reproduction: ASE, Gambia 11724

***Ethmolosa*,**

Fisheries management: ASE, Morocco 12443
 Resource development: ASE, Morocco 12443

***Ethusa investigatoris*,**

Abnormalities: ISW, India, Cochin 10485
 Invertebrate larvae: ISW, India, Cochin 10485

***Etroplus maculatus*,**

Aggressive behaviour 8552
 Social behaviour 8552

***Etroplus suratensis*,**

Growth 12996
 Morphology (organisms) 12996
 Oogenesis 12996

***Etrumeus teres*,**

Abundance: ISE, California Gulf 13772
 Eggs 5061

Geographical distribution: ISE, California Gulf 13772
 Incubation 5061
 Larvae 5061

***Eualus macilentus*,**

Processing fishery products: ANW, Canada, Quebec 8865

***Euaxoctopus pillsburyae*,**

New species: ASW, Caribbean Is. 1400

***Eubacteriales*,**

Phenols: ASE, Black Sea 6683

***Eubalaena australis*,**

New records: PSW, Marion Isl. 4089

***Eubranchipus bundyi*,**

Life cycle: Canada, Alberta 8275
 Taxonomy: USA, Wisconsin 12888

***Eubranchipus serratus*,**

Taxonomy: USA, Wisconsin 12888

***Eubranchus*,**

Anatomy: INW, Japan, Echizen, Ayukawa 10441
 Colour: INW, Japan, Echizen, Ayukawa 10441
 Morphology (organisms): INW, Japan, Echizen, Ayukawa 10441
 New species: INW, Japan, Echizen, Ayukawa 10441

***Eubranchus horii*,**

Anatomy 2641

***Eubrianax edwardsi*,**

Larvae Metamorphosis: USA, Nevada 1480
 New records Geographical distribution: USA, Nevada 1480

***Eucalanus attenuatus*,**

Diurnal rhythm 2981

***Eucampia balaustium*,**

Morphology (organisms) 4775
 New species 4769
 Nomenclature 4769
 Taxonomy 4769
 Ultrastructure 4775

***Euchaeta alaminae*,**

New species: ASW, Mexico Gulf 2690

***Euchaeta japonica*,**

Fjords 10837
 Nutritional requirements 10837
 Water mixing 10837

***Euchaeta marina*,**

Vertical migrations: ISE 2933

***Euchaeta norvegica*,**

Biomass: ANE, Norway, Korsfjorden 9301
 Chemical composition: ANE, Norway, Korsfjorden 9301
 DNA: ANE, Norway 9299
 Life cycle: ANE, Norway 9299
 Life cycle: ANE, Norway, Korsfjorden 9301
 Population dynamics: ANE, Norway, Korsfjorden 3044
 Proteins: ANE, Norway, Korsfjorden 9301
 Reproduction: ANE, Norway 9299
 Seasonal variations: ANE, Norway 9299

Chaetidae,

Geographical distribution: ASW, Mexico Gulf 2690

Taxonomy: ASW, Mexico Gulf 2690

Chaetolota paradoxa,

Larvae: INW, Japan 4854

Morphology (organisms) 4854

Seasonal variations: INW, Japan 4854

Chaetuma,

Larvae culture: ISEW, Philippines 3423

Larvae culture: ISEW, Sulu Sea 12391

Larvae culture: Philippines 13748

Chaetuma isiforme vare denudatum,

Light effects 11522

Photosynthetic pigments 11522

Chaetuma nudum,

Larvae culture: ASW, USA, Florida 6841

Chaetuma spinosum,

Sarragenins 11257

Chirograpsus,

New species 6151

Taxonomy 6151

Chlorarctus thiel,

New species: ISW 1359

Cyclops graeteri,

Taxonomy Biogeography: France, Iowa

Mountains 1429

Cydipptomus graciloides,

Biomass Seasonal variations: Denmark, Esrom

Lake 1911

Population dynamics: Denmark, Esrom L. 422

Cydipptomus intermedius,

Life cycle: Italy, Santo Parmense L. 12902

Population dynamics: Italy, Santo Parmense L. 12902

Reproduction: Italy, Santo Parmense L. 12902

Cydorina elegans,

Cytology 12767

DNA 10323

Genetics 10323

Mitosis 10323

Morphological studies 12767

Sex determination 12767

Cyglena,

Cells 10298

DNA 9146

Genetics 12756

Growth 10298

Hybridization 9146

Immunology 10298

Morphology (organisms) 10298

Photosynthetic pigments 9146

DNA 9146, 12756

Cyglena gracilis,

Amino-acids 6074

Biochemistry 6072

Biological rhythms 10812

Photosynthesis 6011, 11519

Cell division 10812, 11891

Chromosomes 1314, 7159

Circadian rhythm 11891

Colour 9130

Culture media 10812

Cytology 7159, 11528

Development 8110

Electron microscopy 9130

Enzymes 6072

Genetics 9130

Insecticides 7710

Light effects 6071

Pesticides 7710

Photoreceptors 5213

Photosynthetic pigments 6074, 8110

Phototaxis 5213, 8550

Phototaxis Measuring devices 1264

Pigments 8550

Pollution effects 7710

Radioactive tracers 7710

Sediments 7710

Starvation 11528

Sulphur 11891

Survival 11528

Ultrastructure 7098, 7100, 7159, 11528

Eugyra islandica,

New species: ANE, Iceland 2850

Eukaryota,

Chromosomes 9093

DNA 9093

Evolution 9800

Genetics 9093

Symbiosis 9800

Eukrithe,

New species 1445

Eumetopias jubata,

Embryos: INE, USA, California, Monterey Bay 9477

Reproduction: INE, USA, California, Monterey

Bay 9477

Social behaviour 5209

Eumetopias jubatus,

Behaviour 8540

Courtship 8540

Feeding behaviour: INW, Kuril Is. 9629

Predation: INW, Kuril Is. 9629

Stomach contents: INW, Kuril Is. 9629

Eumetopias stelleri,

Stomach contents: INW, Kuril Is. 1734

Eunapius fragilis,

DNA 3919

Proteins 3919

Eunice aphroditos,

Haemoglobin 10404

Eunicella cavolinii,

Currents: ASE, Mediterranean 7140

Environmental factors: ASE, Mediterranean 7140

Habitat: ASE, Mediterranean 7140

Morphology (organisms) 9178

Morphology (organisms): ASE, Mediterranean 7140

Water circulation 9178

***Eunicella stricta*,**

Grafting 6055

Immunology 6055

***Eupagurus*,**

Chemical analysis 10515

Eyes 10515

***Eupagurus prideauxi*,**

Cell division 10494

Embryology 10494

Ontogeny 10494

***Eupera*,**

Anatomy: Brazil, Rio Grande do Sul, Guaiba R. 9243

Dessication 12284

***Eupera klappenbachi*,**

Morphology (organisms): Brazil, Rio Grande do Sul, Guaiba R. 9243

New species: Brazil, Rio Grande do Sul, Guaiba R. 9243

***Euphausia*,**

Chemical composition 3506

Environmental effects 7506

Population genetics 7506

***Euphausia pacifica*,**

Aerobic respiration 10725

Environmental effects 10725

Geographical distribution 10725

***Euphausia superba*,**

Amino acids 13875

Bibliographies: PSW 8907

Bioaccumulation 13875

Biology: PS, Antarctic Ocean 3369

Chemical composition 13874

Drift organisms Currents: PSW, Weddell Sea 327

Drift organisms Currents: PW, Scotia Sea 327

Feeding 13249

Fisheries: PS, Antarctic Ocean 3369

Fisheries resources: PSW, Antarctica 6847

Fisheries statistics: PSW, Antarctica 6847

Fishing grounds: PS, Antarctic Ocean 3369

Fishing methods 3369

Ion accumulation Radioisotopes 652

Ion accumulation Strontium 652

Larvae Geographical distribution: PSW, Weddell Sea 327

Larvae Geographical distribution: PW, Scotia Sea 327

Nutritive value 13249, 13875

Processing fishery products 3506

Quality control 13875

Radioactive pollution Pollution effects 652

Research programmes: PSW, Antarctica 6847

Resource development Processing fishery products 3499

Skeleton 13874

Stock assessment: PSW 10036

***Euphausiacea*,**

Abundance: ISW 6550

Biological rhythms: I, Pacific 5261

Check lists: ASE, North-West-Africa 13150

Community composition: ISW 6550

Eggs: PSW, South Georgia 6442

Feeding behaviour: I, Pacific 5261

Life cycle: ISW 6550

Nauplii: PSW, South Georgia 6442

Taxonomy Biology: ASE, Mediterranean 2654

Vertical distribution: ASE, North-West-Africa 13150

Vertical distribution: PSW, South Georgia 6442

***Euphausiacea*,**

Morphology (organisms) 12891

Taxonomy 12891

***Euphausiidae*,**

Check lists: ISEW 5324

Deep scattering layers: ANW, St. Lawrence Gulf 11214

Echosounding: ANW, St. Lawrence Gulf 11214

Feeding mechanisms 4139

Filtration 4139

Plankton: ISEW 5324

Population dynamics: ANE, Norway 3045

***Euplotes crassus*,**

Genetics 2579

Mortality 10398

Pollution effects 4372

Reproductive behaviour 10398

***Euplotes eurystomus*,**

Cells 10359

Electron microscopy 10359

***Eupolystoma alluaudi*,**

Parasites 4157

***Eupomacentrus planifrons*,**

Aggressive behaviour 10764

Territorial behaviour 10764

Underwater television 10764

***Eurhynchium riparioides*,**

Pollution effects: British Isles, Wales, Ebbw Fawr R. 12180

Pollution monitoring: British Isles, Wales, Ebbw Fawr R. 12180

***Eurycea neotenes*,**

Evolution: USA, Texas, Kerr County 10881

Life cycle: USA, Texas, Kerr County 10881

Population structure: USA, Texas, Kerr County 10881

Reproduction: USA, Texas, Kerr County 10881

Size distribution: USA, Texas, Kerr County 10881

***Eurydice*,**

Autecology: ISW, India 9272

Geographical distribution: ISW, India 9272

***Eurydice elongata*,**

New species: ASW, Brazil 4944

***Eurydice emarginata*,**

New species: ASW, Brazil 4944

***Eurydice indicis*,**

New species: ISW, India 9272

***Eurydice littoralis*,**

New records: ASW, Brazil 4944

***Eurytemora affinis*,**

Geographical distribution: ANE, Wadden Sea 8508

Nutritional requirements Carbon: ANW, USA, Maryland, Patuxent R. Estuary 3125

- alinity effects: ANE, Wadden Sea 8508
Myoschiston centropagidarum: Parasites: ANE, Baltic
 Sea, Schlei Fjord 3013
Myospongia officinalis,
 Biosynthesis 7173
Myosstrongylides,
 Parasites: British Isles, Devon, Fernworthy
 Reservoir 9654
Mythecosomata,
 Geographical distribution: ISW 11880
 Seasonal variations: ISW 11880
Mythyneura,
 Term 4922
Mythygnus,
 Fanning 13897
 Degradation 13897
 Mats 13896
 Freezing storage 13896
 Processing fishery products 13897
Mythygnus pelamis,
 Classification 3534
 Processing fishery products 3534
Myxtrumeus teres,
 Catch effort: ISE, California Gulf 11251
Myxozetrema knoeppflii,
 Bacterial diseases 6511
Myxozonus mucronata,
 Anaerobic respiration 10751
 Toxic conditions 10751
Myadne nordmanii,
 Diurnal rhythm: ANE, Irish Sea 2938
 Vertical distribution: ANE, Irish Sea 2938
 Vertical migrations: ANE, Irish Sea 2938
Myadne nordmanni,
 Population dynamics Life cycle: ASE, Adriatic 1420
Myxermannella ahlstromi,
 New species: I, Pacific 6205
Myxermannella balbo,
 Breeding: ASE, Italy, Messina 2772
 Morphology: ASE, Italy, Messina 2772
Myxermannella megalops,
 New species: I, Pacific 6205
Myxocriolana chiltoni,
 Biological rhythms 10772
 Turbulence 10772
Myxocoetidae,
 Fish larvae: AS 7242
 Taxonomy: AS 7242
Myxolais,
 Gargara: Parasites: British Isles, Leicestershire 1801
Myxobrea salina,
 Cell division 1268
Myxociolella physonema,
 New records: ASW 13151
Myxojumia schweinfurthi,
 Anatomy: ASE, Egypt, Arab Rep. 11758
 Brain: ASE, Egypt, Arab Rep. 11758
 Palaeontology: ASE, Egypt, Arab Rep. 11758
Falcidens,
 Morphology (organisms) 4890
Falconoplax bicarinella,
 New species: Barbados 8262
Fasciola gigantica,
 Development 7473
 Parasites 7473
Fasciola hepatica,
 Eggs 12013
 Parasites 7480, 12013
 Radioactive tracers 12013
 Stimuli 7480
Fastigiella,
 Taxonomy 11554
 Terminology 9181
Fautor kurodai,
 New species: INW, Japan, Tanabe Bay 2635
Fauveliopsis,
 Keys: ASE, Mediterranean 3888
 Taxonomy: ASE, Mediterranean 3888
Favella ehrenbergii,
 Growth 11952
Favella panamensis,
 New records: ASW, Venezuela 4183
Favia,
 Stinging organs 10378
Favites abducens,
 Stinging organs 10378
Favites virens,
 Pollution monitoring: ISEW, Marshall Isl. Bikini 3182
 Radioactive pollution: ISEW, Marshall Isl. Bikini 3182
Favorinus blianus,
 New species: ANE, British Isles, Penbrokeshire 1403
Favorinus tsuruganus,
 Morphology (organisms): INW, Japan Sea 2622
Favosites asper,
 Taxonomy 10371
Feltria schusteri,
 Ecology: Austria, Saalfelden 6179
 New species: Austria, Saalfelden 6179
Feltriidae,
 Morphology (organisms) 6179
Ferrissia fragilis,
 New records: USA, Texas 11877
Ferrissia rivularis,
 Hosts: USA, Michigan 8155
Ferrissia wautieri,
 Taxonomy Morphology: Germany, F.R. 1396
Fissurella,
 Taxonomy: ISE, Chile 6089
 Taxonomy: PSW, Chile 6089

***Fistularia*,**

- Biogeography 11869
- Geographical distribution 11869

***Flabelligeridae*,**

- Anatomy 2551
- Mouth parts 2551

***Flagellata*,**

- Cilia 5314
- New species: Austria, Waldviertel 4771
- Ultrastructure 5314

***Flavobacterium*,**

- Biodegradation: ANE, Baltic 13415

***Flexibacter columnaris*,**

- Disease control 13294
- Serological studies 13294

***Flintia sanguinaria*,**

- Taxonomy 11468

***Floriceps saccatus*,**

- Ecosystems 3138
- Habitat 3138

***Florideae*,**

- Ontogeny 10325
- Reproductive organs 10325
- Terminology 10325

***Florideophyceae*,**

- Meiosis 10321

***Flostra foliacea*,**

- Growth: ANE, Germany, Fed.Rep., Helgoland 2975

***Forstephyllum*,**

- Development 11581
- Palaeontology 11581

***Foettingeriidae*,**

- Feeding 5265
- Life cycle 5265
- Morphology (organisms) 5265
- Symbiosis 5265

***Fontinalis antipyretica*,**

- Nitrogen Assimilation 1322

***Foraminifera*,**

- Abundance: ISW, India, Visakhapatnam, Chipurupalle 9696
- Baseline studies: ANW, Canada, Nova Scotia 12788
- Benthos: ASW, Venezuela 13366
- Benthos Biogeography: PS, Antarctica 1613
- Benthos Community composition: PSW, South Shetland Is. 1891
- Biological collections: ISE 4200
- Carbonates: PSW, Weddell Sea 5917
- Check lists: ANW, Canada, Nova Scotia 12788
- Check lists: Trinidad 3891
- Climate 11922
- Climatology: ASW, Mexico Gulf 9066
- Community composition: ANW, Canada, Nova Scotia 12788
- Competition 7453
- Continental shelf: ASW, Venezuela 13366
- Ecology: ASE, Mediterranean 11282, 11283
- Environmental factors: ISW, India, Visakhapatnam,

Chipurupalle 9696

- Evolution: ASE, Mediterranean 11282
- Evolution: Puerto Rico 4174
- Feeding behaviour 7453
- Fossils: New Zealand, Runaway Cape 13952
- Fossils: USA, Alabama 9183
- Fossils Indicator organisms: ASE, Mediterranean 3616
- Fossils Succession: PSE, New Zealand 102
- Geographical distribution: ISW, India, Visakhapatnam, Chipurupalle 9696
- Geology: ISW 11406
- Growth regulators 8559
- Horizontal distribution: PSW 11551
- Indicator organisms: ANW, Davis Strait 4683
- Indicator organisms: ANW, Labrador Sea 4683
- Marine ecology: ASW 8637
- Marine ecology: ASW, Venezuela 13366
- Morphology (organisms) 2545, 10935, 11556
- New records: PSW 11551
- New species 11556
- New species: ASW, South American Shelf 10387
- Palaeontology 4585, 10935
- Palaeontology: ASE, Mediterranean 3616, 11282, 11283
- Palaeontology: ASW, Mexico Gulf 9066
- Palaeontology: ISEW, Solomon Isl. 9068
- Palaeontology: Jamaica, Red Gal Ring 3894
- Palaeontology: Puerto Rico 4174
- Palaeontology: Trinidad 3891, 4585
- Palaeontology: Venezuela 8917
- Palaeontology: Venezuela, Margarita Isl. 3895
- Plankton 10935
- Regional variations 10935
- Seasonal variations: ISW, India, Visakhapatnam, Chipurupalle 9696
- Sediment analysis: ISEW, Solomon Isl. 9068
- Sediment analysis: PSW, Weddell Sea 5917
- Sediments: ANW, Davis Strait 4683
- Sediments: ANW, Labrador Sea 4683
- Sediments: ASW, Mexico Gulf 9066
- Size distribution 11922
- Taxonomy 2545, 11556
- Taxonomy: ASW, South American Shelf 10387
- Taxonomy: Puerto Rico 4174
- Zooplankton: ASW, Venezuela 13366

***Fossaria bulimoides*,**

- Cultures Hosts 114

***Fragilaria*,**

- Fossils: USA, Alaska 6931

***Fragilaria crotonensis*,**

- Growth rate 11083
- Mercury 11083
- Pollution effects 11083

***Fragilaria oceanica*,**

- Algal blooms: ISW, India, Mangalore 10924
- Population density: ISW, India, Mangalore 10924

***Fratercula arctica*,**

- Feeding behaviour 6487

***Fritillaria pellucida*,**

- Growth: ASE, France, Villefranche-sur-Mer 10973

Life cycle: ASE, France, Villefranche-sur-Mer 10973
 Production (biological): ASE, France,
 Villefranche-sur-Mer 10973

Frittschiella tuberosa,
 Spores 7109
 Taxonomy 7109
 Ultrastructure 7109

Fucaceae,
 Biomass: ASE, Spain, Pontevedra Bay 13466
 Industrial wastes: ASE, Spain, Pontevedra Bay 13466
 Pollution effects: ASE, Spain, Pontevedra Bay 13466

Fucales,
 Photosynthesis 10749
 Respiration 10749

Fucus,
 Community composition: ANE, Baltic 12109, 12110
 Ecosystems: ANE, Baltic 12109, 12110
 Population dynamics: ANE, Baltic 12110
 Seasonal variations: ANE, Baltic 12109

Fucus distichus,
 Environmental conditions: ANW, Canada, Nova
 Scotia 9144
 Ontogeny: ANW, Canada, Nova Scotia 9144
 Reproduction: ANW, Canada, Nova Scotia 9144
 Seasonal variations: ANW, Canada, Nova Scotia 9144

Fucus inflatus,
 Chemical composition: PNW, Barents Sea 11505
 Salinity effects: PNW, Barents Sea 11505

Fucus serratus,
 Absorption 2541
 Radioactivity 3199

Fucus vesiculosus,
 Chemical composition: PNW, Barents Sea 11505
 Cytology 11490
 Development 5992
 Eggs 5991, 5992
 Fertilization 5991
 Reproduction 5991, 5992
 Salinity effects: PNW, Barents Sea 11505
 Ultrastructure 11490

Fulata alba,
 Enzymes 9446

Fulgoraria zinsmeisteri,
 New species 11611
 Palaeontology 11611

Fulica atra,
 Diurnal rhythms: Poland, Masurian Lakeland 6347
 Feeding behaviour 6500
 Food composition 6500
 Life cycle: Poland, Masurian Lakeland 6347
 Reproduction: Poland, Masurian Lakeland 6347

Fundulus diaphanus,
 Chromosomes: USA, New York, Hudson R. 7505
 Parasites: Canada, Nova Scotia 5276
 Population genetics: USA, New York, Hudson R. 7505
 Reproduction: Canada, Renaud L. 1545

Fundulus grandis,
 Anatomy 5026
 Eyes 5026, 8336

Fundulus heteroclitus,
 Anatomy 10583
 Bioassays 5437
 Cadmium 6720
 Calcium 8337
 Chemical pollutants 6693
 Cytology 12993
 Development Environmental effects 293
 Eggs 11180
 Electron microscopy 10583
 Embryos 12993
 Embryos Development 293
 Environmental effects 5437
 Eyes 10583
 Histology 8337
 Light microscopy 10583
 Migrations Salinity effects: ANW, USA, Delaware 1668
 Oil pollution 9862
 Pollution effects 5437, 6720, 9862
 Seed (aquaculture) 11180
 Sperm 11180
 Survival 11180
 Temperature tolerance 11180
 Toxicity 6720

Fundulus majalis,
 Temperature effects 9578
 Vertebrae counts 9578

Fundulus parvipinnis,
 Salinity tolerance 7316

Fungi,
 Abundance Seasonal variations: USA, Wisconsin,
 Winnebago L. 2469
 Antibiotics: ANW, USA, Connecticut 4745
 Antibiotics: USA, Connecticut 4745
 Baits Collecting devices 2455
 Biodegradation 4736
 Biodegradation: ASE, Adriatic 5951
 Biodegradation: Yugoslavia, Skadar L. 5951
 Biogeography: ANE, Germany, F.R., Helgoland 7380
 Biogeography: ANE, Germany, F.R., Weser
 estuary 7380
 Biogeography: ANE, Norway, Norwegian Trench 7381
 Biogeography: ASE 7381
 Biogeography: ASE, Canary Is. 7381
 Biogeography: PNW, Barents Sea 7381
 Check lists: ANE, Germany, F.R., Helgoland 7380
 Check lists: ANE, Germany, F.R., Weser estuary 7380
 Check lists: ISW, Kuwait 4743
 Communities: ISW, Kuwait 4743
 Community composition: ISW, Kuwait 2470
 Continental drift: World Tectonic Plates 5769
 Ecology: Italy, Pavia, Ticino R. 9100
 Fish wastes 3831
 Geographical distribution: ASE, Romania 11881
 Habitat: ANE, Eire, Galway Bay 8082
 Mortality causes 8438
 New records: ANE, Eire, Galway Bay 8082

Osmoregulation: ISW, Kuwait 2470
 Parasites: Canada, British Columbia, Marion L. 5280
 Pesticides Biodegradation 1965
 Phenols: ASE, Adriatic 5951
 Phenols: Yugoslavia, Skadar L. 5951
 Population studies Marine ecology: ANE, Helgoland Bight 420
 Rivers 10269
 Salt marshes: ISW, Kuwait 4743
 Seasonal variations: ANE, Germany, F.R., Weser estuary 12158
 Taxonomy: Norway 7076
 Temperature effects: ANW, USA, Connecticut 4745
 Temperature effects: USA, Connecticut 4745
 Water analysis (biological): USA, Wisconsin, Winnebago L. 2469

***Fungia scutaria*,**

Morphology (organisms) 11561
 Skeleton 11561

***Furcellaria*,**

Seaweed products 12369

***Furcellaria fastigiata*,**

Proteins 4789

***Fusoliturus kuroseanus*,**

New species: INW, Japan, Hachijo I., Kurose 2639

***Gabonella*,**

Palaeontology: Trinidad 3896
 Taxonomy: Trinidad 3896

***Gadidae*,**

Age composition: ANE, Norway, Lofoten 11901
 Annual variations: ANE, Norway, Lofoten 11901
 Catch effort: ANW 12430
 Catch statistics: ANE, Faroe Is. 3467
 Condition factor 12429
 Coring 5688
 Echo surveys: ANE, Norway, Lofoten 11901
 Fish catch statistics: ANW 12430
 Fish solubles 7879
 Fishery biology: ANW 12430
 Fishery products 7879
 Fishing mortality: ANW 12430
 Gear selectivity: ANE 6878
 Hosts 6533
 Landing statistics: ANE, North Sea 3468
 Potential yield: ANW 12430
 Preservation (fishery products) 5688
 Processing fishery products 7879
 Quota regulations: ANE, North Sea 3468
 Sampling (biological) 12429
 Spawning migrations: ANE, Norway, Lofoten 11901
 Stock assessment: ANE, Faroe Is. 3467
 Stock assessment: ANE, North Sea 3468

***Gadus merlangus*,**

Fishing effort: ANE, British Isles 8855
 Stock assessment: ANE, British Isles 8855

***Gadus morhua*,**

Abundance: PNW, Barents Sea 11730
 Acclimation: PNW, Kildin I., Mogil'noe L. 5848
 Acoustic equipment: PNW, Barents Sea 11303

Anatomy 9407

Arsenic 4032
 Audition 1566
 Bioaccumulation 13454
 Biochemistry 6340
 Catchability: ANE, Baltic 7005
 Chemical analysis 4032, 5673, 5702
 Chemical composition: ANE, Baltic Sea 5092
 Coring 5691, 8878
 DDT 13454
 Diseases: AN, Greenland 13290
 Enzymes 6893
 Experimental fishing: ANE, Lofoten Is. 3384
 Exploratory fishing: ANE, Baltic 12400
 Feeding: ANE, Baltic 9538
 Feeding behaviour 6502
 Fish catch statistics: ANW, St. Lawrence Gulf 8853, 8854
 Fish oils 11259
 Fisheries data: ANE 6873
 Fisheries statistics: ANW, Labrador Current 5644
 Fishery products: ANW, Canada 8874
 Fishery surveys: ANE 10032
 Food technology 12476
 Food technology: British Isles, Aberdeen 12477
 Freezing storage 5686, 6887, 8891, 12476
 Freezing storage: British Isles, Aberdeen 12477
 Freezing storage Quality control 2214
 Gear selectivity: ANE, Lofoten Is. 3384
 Geographical distribution: PNW, Barents Sea 11730
 Gillnets: ANE, Lofoten Is. 3384
 Glands 4023
 Growth rate: ANE, Baltic 11965
 Hermaphrodites: ANE, Baltic 5052
 Hosts: ANE, Baltic, Kiel Fjord 5272
 Insecticides: ANE, Norway 8775
 Irradiation 5690
 Liver 4032
 Medical products 11259
 Metabolism: ANE, Baltic Sea 5092
 Methodology 12476
 Methodology: British Isles, Aberdeen 12477
 Microbial contamination 8884
 Migrations: ANW, Canada, Newfoundland 10861
 Migrations: PNW, Barents Sea 11303
 Morphology: PNW, White Sea 7502
 Mortality causes 5539
 Mortality causes: ANE, Baltic 5168
 Nerves 9407
 Nervous systems 6340, 9407
 Otoliths: ANE, Baltic 11965
 Packing fishery products 5690
 Parasitology: ANE, Baltic 12006
 Phosphorus 8779
 Pollution effects 8779, 13454
 Pollution effects: ANE, Norway 8775
 Population structure: AN, Greenland 13290, 13290
 Preservation (fishery products) 5690, 5691, 8884
 Processing fishery products 3547, 6887
 Proteins Freezing storage 2201
 Quality control 4523, 5702, 6887, 6893, 12476, 13454

Quality control: British Isles, Aberdeen 12477
 Quota regulations: ANE 9405
 Research programmes: ANE, Baltic 6804
 Salinity effects 9577
 Secretory products 4023
 Sense organs 9372
 Sexual maturity: ANE, Baltic 11965
 Sinc tags: PNW, Barents Sea 11303
 Stock assessment 2175
 Stock assessment: ANE, Baltic 12400
 Stock assessment: ANE, Gotland-Becken 6804
 Stock assessment: ANW, St. Lawrence Gulf 8854
 Stomach contents: ANE, Gotland-Becken 6804
 Storage 13924
 Storage effects 4522, 4523, 8891, 13924
 Subpopulation: PNW, White Sea 7502
 Sulphides 4522
 Tagging: ANE, Baltic 5168
 Temperature effects 5644, 9577
 Temperature effects Microbial contamination 2214
 Temperature effects Recruitment 2175
 Toxicity 8779
 Ultrastructure 9372
 Viral diseases 13293
Uadus poutassou,
 Age composition: ANE, Irish Sea 8856
 Echo surveys: ANE, Norwegian Basin 12394
 Stock assessment: ANE, Irish Sea 8856
Ualaxaura falcata,
 Biochemistry Photosynthesis 144
Ualaxias brevipinnis,
 New records: Tasmania 12949
Ualaxias maculatus,
 Osmoregulation 4029
 Salinity tolerance 4029
Ualaxias vulgaris,
 Geographical distribution: New Zealand, Glentui R. 10760
 Habitat: New Zealand, Glentui R. 10760
 Horizontal distribution Territorial behaviour 367
 Marking: New Zealand, Glentui R. 10760
 Reproduction: New Zealand, Glentui R. 7287
 Reproductive organs: New Zealand, Glentui R. 7287
 Territorial behaviour: New Zealand, Glentui R. 10760
Ualaxiidae,
 Zoology: Tasmania 12949
 Taxonomy: Tasmania 12949
Ualemys pyrenaicus,
 Ornithology 13087
 Respiratory organs 13087
Ualeocerdo cuvier,
 Chemical analysis 13008
 Enzymes 13008
 Liver 13008
Ualeomma polita,
 Protective behaviour 4120
Ualeorhinus australis,
 Mercury: Australia, Victoria 12163

Galeorhinus galeus,

Stomach contents: ASE 1747

Galeus melastomus,

Feeding: ASE, Genoa Gulf 9636

Feeding behaviour: ASE, Genoa Gulf 9636

Galleria mellonella,

Parasites 6530

Gambusia,

Fertilization 6244

Genetics 8367

New species: Mexico, Inland waters 4006

Osmoregulation Reproduction 1533

Reproductive behaviour 6244

Seasonal variations 8367

Subpopulation 8367

Gambusia affinis,

Bioaccumulation 12250

Biochemistry 4013

Biological control: Hungary, Heriz L. 9336

Cell division 6245

Chemical pollutants 11067

Development 4013

Electron microscopy 6245

Excretion 12225

Feeding 7449

Insecticides 6700

Nervous systems 4013

Pollution effects 5494, 11067, 12225

Radioactive pollution 12250

Spermatogenesis 6245

Temperature effects 7449, 8411

Toxicity 12225

Gammaracanthus loricatus,

Geographical distribution: ANW 11674

Reproduction: ANW 11674

Sexual maturity: ANW 11674

Gammaridae,

Biogeography: USSR Coasts 4943

Ecology: USSR Coasts 4943

Fecundity: USSR, Kremenchug Reservoir 2701

Keys: USSR Coasts 4943

Morphology (organisms): USSR Coasts 4943

Reproduction: USSR, Kremenchug Reservoir 2701

Taxonomy: USSR Coasts 4943

Gammaridea,

Abundance: USA, West Virginia, Grant County 12088

Marine ecology: ASE, France 11652

New species: PSW, South Africa Rep. 9275

Taxonomy: PSW, South Africa Rep. 9275

Taxonomy New records: INW, South Sakhalin 1453

Zooplankton: ASE, Canary Is. 7387

Gammaropsis (Podoceroopsis) barnardi,

Taxonomy New species: INW, South Sakhalin 1453

Gammarus,

Diurnal rhythms 2934

Geographical distribution Life cycle: ANW 2656

Geographical distribution New records: Asia Minor 211

Migrations 2934

Pressure effects 5528

Reproduction rate: Netherlands 6392

Reproductive behaviour 8249

Seasonal variations 2876

Survival 8249

Taxonomy New species: Asia Minor 211

Temperature effects 8249

***Gammarus aequicauda*,**

Annual variations: ASE, France 6156

Survival: ASE, France 6156

***Gammarus bosniacus*,**

Morphology (organisms): Yugoslavia, Bosna R. 210

***Gammarus brachyurus*,**

Morphology (organisms): Turkey, Baykan 210

***Gammarus duebeni*,**

Biometrics 2661

Geographical distribution: Canada 2661

Geographical distribution: Europe 2661

Migrations Tidal currents 2936

Salinity tolerance 6449

***Gammarus finmarchicus*,**

Life cycle: ANW 2658

***Gammarus hyalelloides*,**

New species: USA, Texas, Phantom L. 8267

***Gammarus insensibilis*,**

Electrophoresis 9303

Life cycle: ASE, France 6156

Polymorphism 9303

Population density: ASE, France 6156

***Gammarus lacustris*,**

Introduced species 9526

Morphology (organisms): Poland 2662

Succession 9526

***Gammarus mucronatus*,**

Life cycle: ANW 2657

***Gammarus oceanicus*,**

Oil pollution 13461

Pollution effects 13461

Respiration 9096

Toxicity 13461

***Gammarus olivii*,**

Fecundity: ASE, Black Sea 2706

Mathematical models: ASE, Black Sea 2706

***Gammarus palustris*,**

Intertidal environment: ANW, USA, Maryland 10892

Population dynamics: ANW, USA, Maryland 10892

***Gammarus pseudolimnaeus*,**

Diurnal rhythm 6459

Light effects 6459

***Gammarus pulex*,**

Food composition Stomach contents 386

Hosts: Germany, D.R., Ichtershausen 10272

Oil pollution 11060

Oxygen consumption 7217

Pesticides 11054

Pollution effects 11054, 11060

Respiratory quotient 7217

Salinity tolerance 6449

***Gammarus salinus*,**

New records: ASE, Spain 1617

***Gammarus stoerensis*,**

Life cycle: ANW 2657

***Gammarus tigrinus*,**

Salinity effects: Netherlands 6392

Succession: Netherlands 6392

***Gammarus varsovensis*,**

Freshwater ecology: Poland 2662

***Gammarus wilkitzkii*,**

Life cycle: PNE, Arctic 2657

Life cycle: PNW, Arctic 2657

***Ganeo micracetabulus*,**

Life cycle: Pakistan, Lahore, Inland waters 12802

New species: Pakistan, Lahore, Inland waters 12802

Parasites: Pakistan, Lahore, Inland waters 12802

***Gari californica*,**

Size distribution: INE, USA, California 13142

***Gasterosteidae*,**

Sexual reproduction 7278

***Gasterosteus aculeatus*,**

Adaptations 8541

Aggressive behaviour 7415, 9602, 10753

Behaviour 9602

Biological rhythms 7415

Chemical analysis 10657

Correlation analysis: Canada, Queen Charlotte Is. 10906

Energy flow 3020

Feeding behaviour 8541

Food chains: ANE, Baltic 9634

Habitat: Canada, Queen Charlotte Is. 10906

Hosts 3020, 7318

Kidney 10657

Meristic counts: Canada, Queen Charlotte Is. 10906

Nutritive value 7234

Physiology 10657

Population genetics: USA, California, Friant 9679

Population parameters: Canada, Queen Charlotte Is. 10906

Regional variations: Canada, Queen Charlotte Is. 10906

Reproduction 10753

Reproductive behaviour 7415

Respiration 7318

Seasonal variations 7234

Secretory products 10657

Social behaviour 8541

Temperature effects: USA, Oregon, Columbia R. 9903

Temperature tolerance: USA, Oregon, Columbia R. 9903

Territorial behaviour 9602, 10753

***Gastropoda*,**

Aquatic plants: Canada, Gentilly, St. Lawrence R. 7748

Artificial spawning 9586

Biogeography: World Waters 11875

Biological data: Canada, Gentilly, St. Lawrence R. 7748

Biometrics 9805

Check lists: ANW, USA, Delaware 3923

Check lists: ASE, Aegean Is., Rhodes 4873

- Community composition 2626
- Coring: ASW, Venezuela 6933
- Development 3934, 10423
- Ecology 2626, 10791
- Ecology: ANW, USA, Delaware 3923
- Environmental effects 5302
- Environmental effects: Canada, Gentilly, St. Lawrence R. 7748
- Evolution 10423
- Genetics Hybridization 191
- Geographical distribution: ANW, USA, Delaware 3923
- Geographical distribution: USA, North Dakota, Sheyenne R. 11598
- Growth rate 10791
- Larvae 11631
- Littoral zone: ASE, Aegean Is., Rhodes 4873
- Methodology 8069
- Migrations: Egypt, Arab Rep., Suez Canal 7392
- Morphology (organisms) 2626, 11631
- Mouth parts 4889
- Nuclear energy: Canada, Gentilly, St. Lawrence R. 7748
- Nutritional requirements 11631
- Ontogeny 11631
- Palaeontology: ASW, Venezuela 6933
- Polymorphism 10791
- Population density 5302
- Predators: World oceans 6607
- Reproduction 10423
- Sampling (biological) 8069
- Seasonal variations 5302
- Shells 9580, 9805
- Shells: World oceans 6607
- Size distribution: World oceans 6607
- Statistical analysis 9805
- Symbionts 9580
- Turbidity 9586
- Ultrastructure 4889
- Gastrotheca riobambae*,
 - Development 5110
 - Reproduction 5110
- Gastrotricha*,
 - Habitat 9515
 - Horizontal distribution: ANW, USA, Massachusetts 9515
 - Interstitial environment: ISE, Galapagos 3869
- Gazza minuta*,
 - Host-parasite systems Hosts: ISEW, South China Sea 10367
- Gelidiella acerosa*,
 - Growth 5229
 - Seasonal variations 5229
- Gelidium robustum*,
 - Harvesting Yield: ISE, Mexico, Baja California 795
- Geloina proxima*,
 - Diurnal rhythm 10729
 - Feeding behaviour 10729
 - Light effects 10729
 - Mangrove swamps 10729
 - Salinity effects 10729
- Genicanthus*,
 - Taxonomy: I, Pacific Ocean 2758
- Genicanthus lamarck*,
 - New species: I, Pacific Ocean 2758
- Genicanthus personatus*,
 - New species: I, Pacific Ocean 2758
- Genicanthus spinus*,
 - New species: I, Pacific Ocean 2758
- Genyonemus lineatus*,
 - Diseases: INE, USA, California 7484
- Genypterus capensis*,
 - Catch effort: PSW, South West Africa 11227
 - Growth: PSW, South West Africa 10806
 - Growth: PSW, Southern Africa coast 10806
 - Growth: PSW, Southern African Coast 10804
 - Population dynamics: PSW, Southern African Coast 10804
 - Total mortality: PSW, Southern African Coast 10804
- Geochelone gigantea*,
 - Erosion: ISW, Aldabra Atoll 9798
 - Habitat: ISW, Aldabra Atoll 9799
 - Herbivores: ISW, Aldabra Atoll 9798, 9799
 - Population control: ISW, Aldabra Atoll 9798
 - Population density: ISW, Aldabra Atoll 9798, 9799
 - Vegetation cover: ISW, Aldabra Atoll 9798, 9799
- Geoclemys reevesii*,
 - Anatomy 11840
 - Brain 11840
 - Hormones 11840
 - Nerves 11840
- Geocrinia*,
 - Genetics 8544
 - Hybridization 8544
 - Reproductive behaviour 8544
 - Vocal behaviour 8544
- Geodia cydonium*,
 - Aggregations 10409, 12823
 - Biochemistry 10409
 - Chemical analysis 12823
 - Chemical stimuli 12823
 - Electron microscopy 12823
 - Regeneration Pollution effects 3311
- Geodia mulleri*,
 - Biosynthesis 7173
- Gerris remigis*,
 - Fats 250
- Geryon affinis*,
 - New records: ANE, Norway 2918
- Geryon quinquedens*,
 - Chemical composition 11689
 - Pigments 11689
 - Processing fishery products 11689
- Gibbula candei*,
 - New records: ASW, France, Arcachon 5135
- Giffordia*,
 - Geographical distribution New records: PSW, Argentina 330

- Gigantobilharzia huronensis*,**
Lymnaea stagnalis: Hosts Parasites 409
- Gigartina*,**
 Carrageenins: PSE, New Zealand 10350
 Life cycle: PSE, New Zealand 10350
- Gigartina acicularis*,**
 Budding 9133
 Cultures 9133
 Growth rate 9133
 Light effects 9133
- Gigartina canaliculata*,**
 Harvesting Yield: ISE, Mexico, California 796
- Gigartina exasperata*,**
 Seaweed culture: INE, USA, Washington 2134
- Gillichthys mirabilis*,**
 Environmental factors 7302
 Excretory organs 8389
 Hormones 8389
 Osmoregulation 8389
 Respiration 7302
- Gilquinia squali*,**
 Parasites: ANE, North Sea 13854
- Ginglynostoma cirratum*,**
 Glands 6212
- Girella punctata*,**
 Oil pollution 10072
 Palatability 10072
- Girella tricuspidata*,**
 Hosts 7464
- Giselatay*,**
 New species: Australia 1479
- Giulianium campbelli*,**
 Morphology (organisms) 10533
 New species 10533
 Taxonomy 10533
- Glabella ansonae*,**
 Terminology: ISW 2615
- Glacidorbis*,**
 Biogeography 3925
 Geographical distribution: Australia 3925
 Geographical distribution: South America 3925
 Geographical distribution: Tasmania 3925
- Glaridacris vogei*,**
 New species: USA 8165
 Parasites: USA 8165
- Glaucoma*,**
 Nomenclature 4830
 Taxonomy 4830
- Glenodinium*,**
 Culture media: INW, Japan, Nagasaki harbour 7446
 Nutritional requirements 7446
- Globicephala*,**
 Beaches: PSE, Tasmania 6346
 New records: PSE, Tasmania 6346
- Globicephala macrorhynchus*,**
 Marine ecology: ISW 13068
 Morphology (organisms): ISW 13068
 Subpopulation: ISW 13068
- Globigerinella aequilateralis*,**
 Gametogenesis: ISE 9213
- Globorotalia crassula*,**
 Biometrics 8208
 Shells 8208
 Speciation 8208
- Globorotalia menardii*,**
 Taxonomy: ISE 1348
- Globotruncana lunaris*,**
 New species: USA, Alabama 9183
- Globotruncana pustulifera*,**
 New species: USA, Alabama 9183
- Gloeocapsa alpicola*,**
 Pigments 11515
 Survival 11515
 Ultraviolet radiation 11515
- Gloeochaete wittrockiana*,**
 Symbionts 8106
 Taxonomy 8106
 Ultrastructure 8106
- Gloeodinium montanum*,**
 Light effects: Finland 10797
- Gloeomonas simulans*,**
 Cilia 9140
 Terminology 9140
 Ultrastructure 9140
- Gloioderma blomquistii*,**
 New species: ANW, USA, North Carolina, Onslow Bay 4759, 5980
- Glossogobius giuris*,**
 Histology 6268
 Oogenesis: India, inland waters 11794
 Ovaries: India, inland waters 11794
 Reproduction: India, inland waters 11794
 Reproductive organs 6267, 6268
 Ultrastructure 6267
 Water temperature: India, inland waters 11794
- Glugea stephani*,**
 Parasites 8597
 Parasites: INE, USA, Oregon 6524
 Temperature effects: INE, USA, Oregon 6524
- Glyceria alba*,**
 Digestion 12836
 Enzymes 12836
- Glyceria convoluta*,**
 Enzymes 4864
- Glyceria dibranchiata*,**
 Aerobic respiration 10400
 Diurnal rhythm 10400
 Metabolic rate 10400
- Glycymeris*,**
 Boring organisms 11983
 Evolution 11983
 Predation 11983

- Glycymeris stellata*,
New records: ASW, France, Arcachon 5135
- Glypheidae*,
Evolution 9290
- Glyptocephalus cynoglossus*,
Abundance Fish larvae: ANW, USA, Virginia 2174
Fish larvae: ANW, USA, Virginia 2174
Nursery grounds: ANW, USA, Virginia 2174
- Glyptonotobdella antarctica*,
New records: PS, Antarctica, Marion Is. 8504
- Glyptonotus antarcticus*,
Excretion 9573
Freezing: PS, Antarctica 9576
Oxygen consumption 9573
Respiration 9573
Temperature effects 9573
- Glyptoria*,
New species: Israel, Negev 10106
- Glyptotendipes paripes*,
Abundance 8533
Benthos: British Isles, Northern Ireland, Blaxter L. 5359
Environmental effects 8533
Lakes 8533
- Glyptothorax*,
Evolution 11771
Morphology 12955
Morphology (organisms) 11771
- Glyptothorax kashmirensis*,
Breeding: India, Kashmir 5044
Seasonal variations: India, Kashmir 5044
Testes: India, Kashmir 5044
- Gnathichnus pentax*,
Evolution Mouth parts 3617
New species 3617
- Gnathonemus petersii*,
Aggressive behaviour 4115, 9591, 13201
Audition 7306
Bioelectricity 9591
Enzymes 5081
Histochemistry 5081
Metabolism 5081
Nervous system 13201
Swim bladder 7306
- Gnathopogon elongatus*,
Alarm substances 1689
- Gnathostenetroides laodicense*,
New records: ASE, Italy, Linosa I. 337
- Gnorimosphaeroma*,
Colour 8620
Genetics 8620
Geographical distribution: INW, Japan 4085
Geographical distribution: ISE, Hawaii 4085
Geographical distribution: PNW, USSR, Siberia 4085
Polymorphism 8620
Population genetics 4085, 8620
Taxonomy 4085, 8620
- Gnorimosphaeroma oregonensis*,
Pollution effects 5488
- Gobiidae*,
Morphology Taxonomy: ASW, Cuba 269
Taxonomy Morphology: ASW, Cuba 1517
- Gobio gobio*,
Anatomy 10568
Muscular system 10568
Skeleton 10568
- Gobiodei*,
Reproduction Environmental effects: ISW, India, Ganga estuary 1678
- Gobiomorphus*,
Biometrics: New Zealand 4007
Geographical distribution: New Zealand 4007
Keys: New Zealand 4007
Taxonomy: New Zealand 4007
- Gobiomorphus breviceps*,
Horizontal distribution Territorial behaviour 367
- Gobionellus boleosoma*,
Geographical distribution: USA, Massachusetts, Dartmouth 8497
- Gobionellus saggittula*,
Feeding behaviour 10833
Grazing 10833
Morphology (organisms) 10833
Mud 10833
- Gobiosoma*,
Chromosomes: ASW, Venezuela 5310
Population genetics: ASW, Venezuela 5310
Speciation: ASW, Venezuela 5310
- Gobiosoma ginsburgi*,
Dissolved oxygen 10742
Environmental factors 10742
Water temperature 10742
- Gobiosoma robustum*,
Development 2806
Reproductive behaviour 2806
Spawning 2806
- Gobius*,
Enzymes 9428
- Gobius melanostomus*,
Fecundity 5050
Fecundity: ASE, Azov Sea 5050
Sexual maturity 5050
Sexual maturity: ASE, Azov Sea 5050
- Gobius paganellus*,
New records: ANE, British Isles, Essex 6415
- Gocca*,
Embryology 11626
Taxonomy 11626
- Goezia*,
New species: Pakistan 7151
- Goezia heteropneusti*,
New species: ISW, Pakistan 12805
- Goezia taunsai*,
New species: ISW, Pakistan 12805

***Golfingia abyssorum*,**

Geographical distribution: ASE, Europe, Iberian peninsula 10380

Morphology (organisms): ASE, Europe, Iberian peninsula 10380

New species: ASE, Europe, Iberian peninsula 10380

***Golfingia gouldii*,**

Blood 7172

Haematology 7172

Light effects 12831

Muscular system 12831

Nerves 12831

Oxygen system 7172

Photoreceptors 12831

Proteins 7172

***Golfingia improvisa*,**

Geographical distribution: PSE, New Zealand 9186

***Golfingia neimaniae*,**

New species: ISEW, East China Sea 11565

***Gomphonema*,**

Fossils: USA, Alaska 6931

***Gomphosphaeria aponina*,**

Poisons (biological): ASW, USA, Florida 6004

***Gona intestinalis*,**

Development 4046

Enzymes 4046

Larvae 4046

***Gonatopsis japonicus*,**

New records: INW, Okhotsk Sea 2927

***Goniaulax monacantha*,**

New records: ISW, Pakistan 335

***Goniaulax polygramma*,**

New records: ISW, Pakistan 335

***Goniobasis clavaeformis*,**

Digestion 4145

Feeding 4145

Temperature effects 4145

***Goniocidaris noetlingi*,**

New species: ISW, Qatar 12512

***Goniopora pectinata*,**

Stinging organs 10378

***Gonium pectorale*,**

Mitosis 5994

Population genetics 12048

Sexual reproduction 12048

***Gonocerca macrouri*,**

Macrourus rupestris: Parasites New species: ANE 1803

***Gonodactylus botti*,**

New species: ISEW, Indonesia 1450

New species: ISEW, Java 4957

Taxonomy: ISEW, Java 4957

***Gonodactylus viridis*,**

Symbiosis: ISW, Thailand 3151

***Gonorhynchiformes*,**

Anatomy 5015

Evolution 5015

Taxonomy 5015

***Gonostomatidae*,**

Check lists: INW 5013

Check lists: ISEW 5013

Geographical distribution: ISW 4073

Vertical distribution: ANE 10542

***Gonyaulax*,**

Algal blooms: USA 9943

Drainage water 6446

Environmental effects 6446

Morphology (organisms) 5973

Poisonous organisms: INW, Japan, Ofunato Bay 7885

Red tides: USA 9943

Red tides Algal blooms: World oceans 120

Red tides Life cycle: World oceans 120

Red tides Phytoplankton: World oceans 120

Red tides Poisonous organisms: World oceans 120

Red tides Poisons (biological): ANE, British Isles, England 746

Red tides Poisons (biological): ANW, USA 746

Red tides Poisons (biological): INE, USA 746

Red tides Taxonomy: World oceans 120

Taxonomy 5973

***Gonyaulax catenella*,**

Poisons (biological) 3350, 12286

Red tides Chemical analysis 752

Red tides Nutritional requirements: INE, USA, Washington 738

Red tides Poisons (biological) 752, 758

Red tides Population growth: INE, USA, Washington 738

Red tides Public health 752

Red tides Toxicity 758

***Gonyaulax excavata*,**

Red tides Poisonous organisms: ANW, USA, Massachusetts 742

Red tides Taxonomy: ANW, USA, Massachusetts 742

***Gonyaulax polyedra*,**

Algal blooms Ecology: INE, USA, California 728

Algal blooms Physiology: INE, USA, California 728

Biochemistry 6007

Bioluminescence 6007

Red tides Algal blooms: INE, USA, California, San Pedro Bay 730

Red tides Algal blooms: World oceans 744

Red tides Bioluminescence: World oceans 744

Red tides Circadian rhythm: World oceans 744

Red tides Ecology: INE, USA, California 728

Red tides Oceanographic data: INE, USA, California, San Pedro Bay 730

Red tides Physiology: INE, USA, California 728

Red tides Phytoplankton: World oceans 744

Red tides Poisonous organisms: World oceans 744

Red tides Toxicity: INE, USA, California, San Pedro Bay 730

***Gonyaulax tamarensis*,**

Algal blooms Oceanographic data: ANW, USA, Massachusetts 729

Biochemistry 10412

Chemical structure 10412

Fats 10412

sons (biological) Chemical analysis 761
 sons (biological) Toxicity: ANW, USA,
 Massachusetts 761
 sons (biological) Toxicity: ANW, USA, New
 Hampshire 761
 lution effects Sediments 3291
 population dynamics: ANW, USA, Maine 7492
 id tides Algal blooms: ANW, USA, Maine Gulf 731
 id tides Chemical analysis 752
 id tides Economics: ANW, USA 778
 id tides Economics: ANW, USA, New York 778
 id tides Geographical distribution: ANW, USA, Maine
 Gulf 731
 id tides Hydrography: ANW, USA, Maine Gulf 731
 id tides Marketing: ANW, USA, Massachusetts 772
 id tides Monitoring: ANW, USA, New
 Hampshire 779
 id tides Nerves 758
 id tides Oceanographic data: ANW, USA,
 Massachusetts 729
 id tides Oceanographic data: ANW, USA, New
 Hampshire 729
 id tides Photosynthesis: ANW, USA, Maine Gulf 740
 id tides Poisonous organisms: ANW, USA, Maine
 Gulf 731
 id tides Poisons (biological) 752, 762
 id tides Poisons (biological): ANW, Canada 747
 id tides Poisons (biological): ANW, USA 747
 id tides Population growth: ANW, USA, Maine
 Gulf 740
 id tides Public health 752
 id tides Public health: ANW, USA 778
 id tides Public health: ANW, USA, Massachusetts 772
 id tides Public health: ANW, USA, New
 Hampshire 779
 id tides Public health: ANW, USA, New York 778
 id tides Shellfish fisheries: ANW, USA, New
 York 778
 id tides Toxicity 762
 onomy: ANW, USA, Maine 7492
ophorus agassizi,
 ormones 8443
 roproductive organs 8443
orgasia maculata,
 ow records: ISW, Comoro Is., Mayotte I. 5035
 ow records: ISW, Comoro Isl. 2921
orgonacea,
 orbonates: PSW, South Africa Rep. 10422
 imical composition: PSW, South Africa Rep. 10422
 orphology (organisms): ASE, Mediterranean 9174
 onomy: ASE, Mediterranean 9174
racilaria,
 orphology (organisms): INW, Japan 9126
 aweed culture 12387
 aweed culture: Taiwan 12386
 onomy: INW, Japan 9126
 eld 12387
racilaria andersoniana,
 hemical analysis 12775
 ormatographic techniques 12775

Gracilaria corticata,
 Development 4781, 10320
 Ontogeny 4781
 Reproductive organs 10320
 Spores 4781
Gracilaria edulis,
 Agar 11193
 Harvesting 11193
 Yield 11193
Gracilaria verrucosa,
 Respiratory pigments 7122
Gracilariopsis,
 Morphology (organisms): INW, Japan 9126
 Taxonomy: INW, Japan 9126
Grallatoria,
 Taxonomy 11477
Gramineae,
 Erosion control: ANW, USA, Texas, Padre I. 9950
Grampus griseus,
 Geographical distribution: PSE, New Zealand,
 Kauerua 9549
Graphoderus,
 Morphology (organisms) Larvae 1470
Grapsidae,
 Check lists: ISW, Tanzania 3946
 New records: ISW, Tanzania 3946
Grapsus grapsus,
 Homing behaviour: ISE, Galapagos 6455
Graptemys geographica,
 Parasites: USA, Pennsylvania, Juniata R. 6036
Graptoloidea,
 Evolution 3066
 Palaeontology 3066
Grateloupia,
 Carbohydrates 6014
Greeffiiellinae,
 New species Taxonomy 170
Griffithsia flosculosa,
 Assimilation 10850
 Symbiosis 10850
Grillotia erinaceus,
 Biology: ANE, North Sea 13291
 Life cycle: ANE, North Sea 13291
 Parasites: ANE, North Sea 13291
Guavina guavina,
 Taxonomy Morphology: ASW, Cuba 269
Guinardia blavyana,
 Terminology 7080
Gurleya chironomi,
 Life cycle 6051
 New species 4832
 Parasites 4832
 Sexual reproduction 6051
 Ultrastructure 4832
Gymnamoebia,
 Taxonomy 8167

***Gymnarchus niloticus*,**

- Electric organs: Chad, Chari R. 13026
 Electric organs Avoidance behaviour 368
 Electric organs Physiology 1565
 Social behaviour: Chad, Chari R. 13026

***Gymnocephalus cernua*,**

- Aggressive behaviour 7417
 Population genetics: ANE, Sweden, Hamnefjaerden Bay 12051
 Temperature effects: ANE, Sweden, Hamnefjaerden Bay 12051
 Territorial behaviour 7417

***Gymnodinioides*,**

- Parasites: ANW, USA, North Carolina 8598

***Gymnodinium*,**

- Algal blooms: USA 9943
 Chromosomes 139
 Environmental effects: INW, Japan, Omura Bay 6447
 Geographical distribution: INW, Japan, Omura Bay 7519
 Morphology: INW, Japan, Omura Bay 7519
 Oxygen depletion: INW, Japan, Omura Bay 6447
 Phytoplankton: INW, Japan, Omura Bay 7519
 Poisons (biological): USA 9943
 Red tides: INW, Japan, Omura Bay 6447
 Red tides: USA 9943

***Gymnodinium breve*,**

- Biological control 6004
 Conferences Red tides: ASW, USA, Florida 33
 Growth: ASW, USA, Florida 10836
 Iron: ASW, USA, Florida 10836
 Irradiation 13171
 Life cycle: ASW, USA, Florida 5964
 Light effects 13171
 Nutritional requirements Growth 443
 Oxidation: ASW, USA, Florida, Boca Ciega Bay 6765
 Phytoplankton Red tides: ASW, USA, Florida 482
 Poisons (biological): ASW, USA, Florida, Boca Ciega Bay 6765
 Poisons (biological) Chemical analysis 766
 Poisons (biological) Toxicity 765
 Red tides 13171
 Red tides: ASW, USA, Florida 5964, 6004, 10836
 Red tides: ASW, USA, Florida, Boca Ciega Bay 6765
 Red tides Benthic zone: ASW, USA, Florida 447
 Red tides Chemical analysis 750
 Red tides Chemical analysis: ASW, USA, Florida 749
 Red tides Conferences: ASW, USA, Florida 31
 Red tides Ecology: ASW, USA, Florida 739
 Red tides Economics: ASW, USA, Florida 767, 777
 Red tides Horizontal distribution: ASW, USA, Florida 763
 Red tides Iron 444
 Red tides Monitoring: ASW, USA, Florida 775
 Red tides Poisons (biological) 750, 762
 Red tides Poisons (biological): ASW, USA, Florida 748, 749, 754, 760
 Red tides Population growth: ASW, USA, Florida 739
 Red tides Population growth: ASW, USA, Mexico Gulf 737

- Red tides Predictions: ASW, USA, Florida 732
 Red tides Public health: ASW, USA, Florida 23, 43, 44, 775, 776
 Red tides Remote sensing: ASW, USA, Florida 34
 Red tides Research programmes: ASW, USA, Florida 734
 Red tides Reviews: ASW, USA, Florida 776
 Red tides Shellfish fisheries: ASW, USA, Florida 775
 Red tides Temperature effects: ASW, USA, Florida 732
 Red tides Toxicity 750, 762
 Red tides Toxicity: ASW, USA, Florida 754, 776
 Red tides Toxicity: ASW, USA, Mexico Gulf 737
 Red tides Water circulation: ASW, Mexico Gulf 445
 Red tides Water temperature: ASW, USA, Florida 446
 Toxicity Red tides 765
 Toxicity Red tides: ASW, USA, Florida 760

***Gymnodinium helveticum*,**

- Ecology Environmental factors: Sweden, Vombsjoen L. 1682

***Gymnodinium indicum*,**

- New species: India 5983
 Reproduction: India 5983

***Gymnodinium nelsonii*,**

- Red tides Population parameters: ANW, USA, Maryland 741

***Gymnodinium splendens*,**

- Growth rate 12389
 Red tides Population parameters: ANW, USA, Maryland 741

***Gymnophiura concava*,**

- New species: ISE, Peru-Chile Trench 12808

***Gymnothorax pikei*,**

- New records: ISEW, Papua New Guinea 7371

***Gymnothorax reticularis*,**

- New records: ISEW, Australia, Queensland 5158

***Gymnotida*,**

- Keys 12943

***Gymnotidae*,**

- Nervous systems 1556

***Gyrineum atlanticum*,**

- New species: PSW, Great Meteor Bank 2621

***Gyrinidae*,**

- Poisons (biological) 11817

***Gyrinomimus*,**

- Photosynthetic pigments 7308

***Gyrodactylus*,**

- Morphology (organisms) 12796
 Seasonal variations 12796
 Temperature effects 12796

***Gyrodactylus costatae*,**

- Morphology (organisms) 12797
 New species 12797
 Parasites 12797
 Taxonomy 12797

***Gyrodactylus eucaliae*,**

- Development 8158
 Parasites 8158
 Ultrastructure 8158

- Pyrodinium dorsum*,
Phototaxis 5214
- Laematloechnus coloradensis*,
Hosts Life cycle 1793
Parasites Life cycle 1793
- Laementeria lutzii*,
Blood Feeding behaviour: Brazil 1379
Enzymes Digestive glands 1379
- Laemogregarina balli*,
New species 8600
Parasites 8600
- Laemogregarina bigemina*,
Life cycle 8601
Parasites 8601
- Laemulon aurolineatum*,
Exploratory fishing Trawling: ASW, Campeche Bank 2170
Geographical distribution: ASW, Campeche Bank 2170
Population dynamics Seasonal variations: ASW, Campeche Bank 2170
Population studies: ASW, Campeche Bank 2170
- Malechiniscus grevini*,
Fouling organisms: ANE, France, Roscoff 11549
New species: ANE, France, Roscoff 11549
- Maleciidae*,
Check lists: ANE, British Isles 3864
- Malectinosoma winonae*,
New species: ANW, USA, South Carolina 1440
- Malichoeres semicinctus*,
Social behaviour: INE, USA, California 7409
Symbiosis: INE, USA, California 7409
- Malichoerus grypus*,
Marine ecology: ANE, British Isles 13070
Metals Detoxication 1591
- Malichondria*,
Photosynthesis 7173
- Maliclona loosanoffi*,
Desiccation 3920
Geographical distribution: ANE, Netherlands 13132
New records: ANE, Netherlands 13132
Reproduction: ANW, USA, Connecticut, Mystic R. Estuary 9198
Salinity tolerance 3920
Water temperature: ANW, USA, Connecticut, Mystic R. Estuary 9198
- Malicoides discoveryi*,
New species: ASE, Canary Is., Fuerteventura 6148
- Malicystis parvula*,
Cells 9153
Ion transport 9153
- Maliotis*,
Development 13737
Fisheries: PSE, Australia 5566
Fisheries regulations: PSE, Australia, Victoria 6866
Gametogenesis Spawning seasons: INW, Korea Rep. 199
Invertebrate larvae 13737
Mortality: ISE, Mexico, Baja California, Benitos Is. 6481
- Processing fishery products Fishery management: Australia 3497
Rearing 13737
Shellfish catch statistics: ISE, Mexico, Baja California 11252
Shellfish culture 13737
Shellfish culture: USA, California 12384
Shellfish fisheries: PSE, Australia, Victoria 6866
- Haliotis corrugata*,
Growth rate: ISE, Mexico, Baja California, Benitos Is. 6481
- Haliotis cracherodii*,
Ageing methods 7435
Growth rate 7435
- Haliotis discus*,
Bioaccumulation 6689
Cobalt 6689
Commercial species: INW, Japan 10450
Food chains 6689
Mathematical models 10450
Oxygen consumption 10450
Physiology 10450
Temperature 10450
- Haliotis discus-hannai*,
Thermal aquaculture: Japan 13582
- Haliotis gigantea*,
Geographical distribution 10444
Population genetics 10444
Sexual maturity 10444
Spawning 10444
Temperature effects 10444
- Haliotis ruber*,
Sampling (biological): PSE, Tasmania 11234
Size distribution: PSE, Tasmania 11234
- Haliotis rufescens*,
Bioaccumulation 12243
Lead 12243
- Haliotis tuberculata*,
Artificial spawning Artificial fecundation 916
Enzymes 9870
Metals 9870
Pollution effects 9870
Rearing 916
Reproduction Metamorphosis 916
Shellfish culture Seed (aquaculture) 7829
- Halisarca dujardini*,
Cells 12818
Electron microscopy 12818
Oogenesis 12818
- Halmyrapseudes spaansi*,
New species: ASW, Antilles 1452
- Halobacterium halobium*,
Biochemistry 9111
Photosynthetic pigments 9111
Spectroscopic techniques 9111
- Halobates*,
Geographical distribution 6178

Keys 6178

Life cycle 6178

Sampling (biological): ISW, Persian Gulf 5387

***Halophila stipulacea*,**

Geographical distribution: ASE, Aegean Is.,

Rhodes 7354

Geographical distribution: ASE, Cyprus 7354

Geographical distribution: ASE, Mediterranean 6400

Succession: ASE, Mediterranean 7353

***Halosydna brevisetosa*,**

Symbionts: INE, USA, California, Monterey Bay 12842

***Halymenia*,**

Morphology: ANE, France 4777

Morphology: ASE, France 4777

Taxonomy: ANE, France 4777

Taxonomy: ASE, France 4777

***Hamigera hamigera*,**

Cytology 8145

Metamorphosis 8145

***Hamulon plumieri*,**

Spawning seasons: ASW, Cuba, Bank of

Campeche 13360

***Haplocerataceae*,**

Taxonomy 6098

***Haplochromis*,**

Anatomy 10573

Ecology Food composition: Uganda, George L. 1931

***Haplochromis burtoni*,**

Aggressive behaviour 10757, 11925

Locomotion 4121

Mathematical models 10757

Predictions 10757

Social behaviour 10757

Stimuli 10757

Territorial behaviour 4121

Zinc: Italy, Maggiore L. 6654

***Haplochromis polli*,**

Aggressive behaviour 13187

Taxonomy 13187

***Haplomesus biscayensis*,**

New species 1436

***Haploniscidae*,**

Geographical distribution: A, Atlantic 9278

New species: A, Atlantic 9278

Taxonomy: A, Atlantic 9278

***Haploniscus charcoti*,**

New species 1436

***Haploplanchnus pachysomus*,**

Life cycle 2544

Parasites 2544

***Haptophyceae*,**

Morphology (organisms): ASE, Yugoslavia 3847

***Harengula pensacola*,**

Development: ASW, Brazil, Ilha Grande 5053

Eggs: ASW, Brazil, Ilha Grande 5053

Fish eggs 6261

Fish larvae 6261

Ichthyoplankton: ASW, Brazil, Ilha Grande 5053

Ontogeny: ASW, Cuba 6261

Spawning grounds: ASW, Brazil, Ilha Grande 5053

***Harpacticoida*,**

Benthos: ANW, USA, North Carolina 8252

Benthos: ASE, Black Sea 4971

Benthos: ASE, France, Catalan 5403

Biological collections: ANE, Isle of Man 4951

Community composition: ISW, Aqaba Gulf 11545

Geographical distribution: ANE, Baltic 9682

Geographical distribution: PSE, Kerguelen

Archipelago 9279

New records: ANE, Baltic 9682

New species: ANE, Spitzbergen 3959

New species: PSE, Kerguelen Archipelago 9279

New species: PSW, South Africa 11659

Proteins Electrophoresis 2708

Reproduction 11678

Taxonomy: ANE, Spitzbergen 3959

Taxonomy: PSE, Kerguelen Archipelago 9279

Temperature effects 11678

Vertical distribution: ISW, Aqaba Gulf 11545

Zooplankton: ANE, Baltic 9682

***Harpacticoida*,**

Taxonomy: ISW, Tanzania 3958

***Harveyella mirabilis*,**

Development 7112

Life cycle 7113

Parasites 7112

Reproduction 10311

Spores 10311

Taxonomy 10311

***Hastigerella*,**

New species: ASE, Mediterranean 4961

Taxonomy: ASE, Mediterranean 4961

***Hauffenia*,**

Taxonomy: Switzerland 10428

***Hebella muscensis*,**

New species: ISW, Seychelles 9173

***Hebetancylus excentricus*,**

New records: USA, Texas 11877

***Heleniella serratosioi*,**

Morphology 11711

New species 11711

***Helicocranchia pfefferi*,**

New records: ASW, USA, Florida 11870

***Helicometrina chilomycteri*,**

New species: ISW, Pakistan 7150

Parasites: ISW, Pakistan 7150

***Heliodaptomus viduus*,**

Oil pollution 8770

Pollution effects 8770

Toxicity 8770

***Heliohrya erhardi*,**

Tentacles 8150

Ultrastructure 8150

***Helisoma*,**

- length-weight relationships 8193
 life cycle 8193
 reproduction 8193
- Helisoma anceps*,
 population dynamics: USA, New York, Moe Pond 5306
- Helisoma trivolvis*,
 growth 13253
 starvation 13253
- Helix*,
 temperature tolerance 8232
 thermoregulation 8232
- Helminthocladia hudsonii*,
 new records: ASE, Mediterranean, Straits of Messina 7360
- Helobdella stagnalis*,
 life cycle: Canada, Alberta, Newsone Pond. 12783
 life cycle: Canada, British Columbia, Marion L. 12783
 reproduction: Canada, Alberta, Newsone Pond. 12783
 reproduction: Canada, British Columbia, Marion L. 12783
 temperature effects: Canada, British Columbia, Marion L. 12783
- Hemicentrotus pulcherrimus*,
 indicator organisms 11121
 pollution effects 11121
- Hemicordulia ogasawarensis*,
 larvae 9332
 morphology (organisms) 9332
- Hemiculter eigenmanni*,
 chromosomes Hybrids 2112
 hybrids Polyploids 2112
- Hemidiscaceae*,
 morphology (organisms) 7092
 ontogeny 7092
 taxonomy 7092
- Hemigrapsus nudus*,
 acclimation 11701
 oxygen consumption 11700
 physiology 11700
 salinity effects 11701
 temperature effects 11701
- Hemihaplochromis multicolor*,
 protective behaviour 5224
- Hemihaplochromis philander*,
 aggressive behaviour 13187
 taxonomy 13187
- Hemioniscus balani*,
 embryology 8280
 moulting 8280
- Hemiptera*,
 energy budgets 12934
 energy flow: Austria, Neusiedler L. 4253
 metabolism 12934
 population density 12934
- Hemirhamphus xanthopterus*,
 fish larvae: ISW, Iraq 13134
 juveniles: ISW, Iraq 13134
 new records: ISW, Iraq 13134
- Hemitripterus americanus*,
 Respiratory organs 10611
 Thermoregulation 10611
- Hemiurus*,
 Parasites 7472
- Hemiurus macrouri*,
Macrourus rupestris: Parasites New species: ANE 1803
- Henneguya*,
 Spores 4828
 Ultrastructure 4828
- Henneguya sebasta*,
 New species: INE, USA, California 8152
 Parasites: INE, USA, California 8152
- Hepatitis-A*,
 Public health: USA, Louisiana 7884
- Hepatus nodosus*,
 New species: Trinidad 8262
- Heptageniidae*,
 Biological collections: USSR, Issyk-kul Depression 9328
- Heraldia nocturna*,
 New species: PSE, Australia, New South Wales 1523
- Herbstia exserta*,
 New species: Barbados 8262
- Hererohelix stenopus*,
 New species: USA, Alabama 9183
- Hermaea bifida*,
 Symbiosis 10850
- Hermodice carunculata*,
Stoichactis helianthus: Predation Methodology 1726
- Herpesvirus salmonis*,
 Viral diseases 3005
- Hesperoleucus symmetricus*,
 Speciation 7504
- Heterias petrensis*,
 New species: Tasmania, Lake Crescent 4953
- Heterocaprella claviger*,
 New species: INW, Korea Rep. 6140
 Sexual dimorphism: INW, Korea Rep. 6140
- Heterocarpus reedi*,
 Fish catch statistics: PSW, Chile, Quintero 5638
- Heterocypris incongruens*,
 New records: Japan 769
- Heterodontus*,
 Morphology (organisms) 8357
 Mouth parts 8357
 Ontogeny 8357
- Heterodontus portusjacksoni*,
 Amino acids 11803
 Evolution 11803
- Heterohelix spenoides*,
 New species: USA, Alabama 9183
- Heteromeyenia stepanowii*,
 New records: Brazil, Guaiba R. 4067
- Heteronchocleidus*,
 New species: Dahomey 1764

***Heteronchocleidus ctenopomae*,**

Parasites: Dahomey 1764

***Heterophotus ophistoma*,**

Morphology (organisms): ASE, Guinea Gulf 11760

***Heteropneustes fossilis*,**

Anatomy 9345

Artificial fecundation 13692

Behaviour 13559

Bioassays 13475

Blood cells 9429

Blood circulation 9345

Cage culture: India, Assam, Ghorajan beel 13685

Correlation analysis 9429

Cytology 5075

Development 12985

Drugs 7296

Electric fishing 13559

Embryology 12985

Enzymes 13052

Glands 9345, 13043, 13049

Growth 9429

Haematology 9429

Hormones 7296, 8364, 8397, 13043

Inhibitors 13043

Kidney 9345

Length-weight relationships 13323

Liver 6695

Metabolism 13049

Nervous systems 6270, 7296

Oxygen consumption 13049

Pesticides 13475

Pituitary gland 5075, 8364

Pollution effects 6695

Reproductive organs 8364, 8397

Secretory products 6270

Seed (aquaculture) 13692

Spawning 13043

Spermatogenesis 8364

Toxicity 6695

Trypanosoma: Host-parasite systems 13296***Heteropsyllus*,**

Geographical distribution: ASE, Mediterranean 4969

***Heteropsyllus confluentis*,**

New species: ASE, Mediterranean 4969

***Heteropsyllus meridionalis*,**

New species: ASE, Mediterranean 4969

***Heteropsyllus nunni*,**

New species: ANW, USA, South Carolina 1440

***Heteroptera*,**

Check lists Geographical distribution: Colombia 247

Taxonomy New species: Colombia 247

***Heterosomata*,**

Abundance: INE, California Current 12395

Abundance: ISE, California Current 12395

Fish larvae: INE, California Current 12395

Fish larvae: ISE, California Current 12395

Geographical distribution: INE, California

Current 12395

Geographical distribution: ISE, California

Current 12395

Marine aquaculture Palatability: British Isles 3509

***Heterotrypa*,**

Fossils: Canada, Ontario, Credit R. Valley 4804

***Hexactinellida*,**

Habitat 12806

Skeleton 12806

Turbulence 12806

***Hexagenia*,**

Phenols Fishery management: USA 7758

Phenols Larvae: USA 7758

Phenols Toxicants: USA 7758

Phenols Toxicity: USA 7758

***Hexagenia limbata*,**

Chemical pollutants 2739

Metamorphosis 2739

***Hexagrammos otakii*,**

Ecology: INW, Japan 10997

Habitat: INW, Japan 10997

Territorial behaviour: INW, Japan 10997

Hexamita salmonis*,Salmonidae*: Farm ponds Parasitic diseases 1708***Hexanchidae*,**

Geographical distribution: PSW, South Africa

Rep. 9341

Morphology (organisms): PSW, South Africa Rep. 9341

***Hilsa*,**

Transportation: India 13925

***Hinnites multirugosus*,**

Cadmium: ISE, Cadmium Gulf 9863

***Hiodon alosoides*,**

Aggressive behaviour 10780

Population parameters Life cycle: USA, South Dakota,

Oahe L. 7499

Reservoirs Fishery surveys: USA, South Dakota, Oahe

L. 7499

Territorial behaviour 10780

***Hiodon tergisus*,**

Fecundity: Canada, Assiniboine R. 8362

***Hippoglossoides platessoides*,**

Ecology: ANW, Canada, Newfoundland 9672

Feeding behaviour: ANW, Canada,

Newfoundland 9672

Fisheries statistics: ANW, Canada, Newfoundland 2164

Geographical distribution: ANW, Canada 3987

Growth: ANW, Canada, Newfoundland 9672

Growth rate Length-weight relationships 2164

Ichthyoplankton: ANW 12436

Life cycle: ANW, Canada 3987

Morphology: ANW, Canada, Newfoundland 9672

Reproduction rate: ANW, Canada, Newfoundland 9672

Taxonomy: ANW, Canada 3987

***Hippoglossus hippoglossus*,**

Fisheries regulations Fishery organizations: IN, Bering

Sea 2059

***Hippoglossus stenolepis*,**

Fish catch statistics: INE 3483

- Fisheries statistics: I, Pacific 1090
 Fishery management: I, Pacific 5652
 International organizations: I, Pacific 1090
 Research institutions: I, Pacific 1090
 Sport fishing: INE 3483
Appolysmata grabhami,
 Symbiosis: INW, Japan 8264
 Taxonomy: INW, Japan 8264
Appolyte longirostris,
 Geographical distribution: ANE, British Isles,
 Cornasall 2898
Appolyte varians,
 Geographical distribution: ANE, British Isles,
 Cornasall 2898
Arudinea,
 Geographical distribution: USA, Tennessee, Upper
 Stones R. 8134
 Posts 8134
 Posts: North America 11559
 Posts: North America 11559
 New records 8134
 Taxonomy: North America 11559
Asteichthyes: Farm ponds Parasites 1776
Crudo medicinalis,
 Nervous system 10417
 Photoreceptors 10417
Crudo officinalis,
 Symbiosis 6619
Crustiotheuthis dosleini,
 Les 7181
 Lesion 7181
Cyrtospongia bilamina,
 New species 11553
 Collaontology 11553
Euzikia fusiformes,
 Enzymes Biochemistry 146
Euzikia fusiformis,
 Enzymes Biochemistry 147
Urolanthias,
 Posts: I, Pacific 12963
Urolanthias caudalis,
 New species: ASE 9382
Urolanthias perumali,
 New species: ISW, Arabian Sea, Quilon 12963
Urolanthias rhodopeplus,
 New records: ISW, India, Quilon 12963
Hollardia hollardi,
 Distribution: ASW, Cuba 9371
 Morphology: ASW, Cuba 9371
Golopedium gibberum,
 Indicator species: Sweden 6571
Golothuria,
 Ecology: ASE, Mediterranean 8567
 Feeding: ASE, Mediterranean 8567
Golothuria forskali,
 Enzymes 8220
 Evolution 8220
Holothuriidae,
 Biochemistry: ASW, Cuba 6061
Holothurioidea,
 Fisheries resources: IS, Pacific 11155
 Morphology: IS, Pacific 11155
 Skin Biochemistry 1387
Homalopoma boffii,
 New record: ASW, Brazil 1649
Homaridae,
 Red tides Nerves 758
Homarus,
 Blood 8587
 Chemical analysis 3829
 Diseases 8587
 Nervous systems 10482
 Respiratory pigments 6164
Homarus americanus,
 Abundance: ANW, Canada, Nova Scotia, St.Margaret's
 Bay 10849
 Aggressive behaviour 13716
 Anatomy 9282
 Bacterial diseases 13716
 Bioassays 13734
 Disease control 6836, 13734
 Diurnal rhythms 10466
 Dyes 13734
 Epiphytes 6836
 Feeding 5705
 Fisheries : ANW, USA, New England 7198
 Fishery management: ANW, USA, Maine 4503, 11162
 Fungal diseases 6836, 8596
 Growth 13716
 Heavy metals 7437
 Hormones 4983, 9282
 Immunology 6174
 Invertebrate larvae 13734
 Juveniles 10466
 Life cycle: ANW, USA, New England 7198
 Marine ecology: ANW, USA, New England 7198
 Metabolism 7437
 Moulting 4983, 10466
 Mouthparts 9282
 Nutritional requirements 13716
 Nutritional requirements Juveniles 1740
 Population structure: ANW, USA, Maine 11254
 Predation: ANW, Canada, Nova Scotia, St.Margaret's
 Bay 10849
 Rearing 6836
 Red tides 5705
 Respiration Oxygen depletion 233
 Respiratory organs Nervous systems 2712
 Shellfish culture 13716
 Stock assessment: ANW, USA, Maine 11254
 Toxicity 5705
 Ultrastructure 9282
Homarus gammarus,
 Behaviour 10785
 Feeding 10512
 Food composition 10513
 Larvae 10785

Locomotion 9287, 10785
 Morphology (organisms) 9287
 Mouth parts 10511, 10512, 10513
 Muscular system 10513
 Population dynamics Stock assessment: ASE, France,
 Brittany 989

***Homarus vulgaris*,**

Enzymes 8220
 Evolution 8220
 Serological studies 8070

***Homo sapiens*,**

Audition 10661
 Calcium: Papua New Guinea, Wogupmeri R. 10873
 Correlation analysis: Papua New Guinea, Wogupmeri
 R. 10873
 Physiology: ANE, North Sea 12566
 Pressure effects 8966
 Public health: Papua New Guinea, Wogupmeri
 R. 10873
 Rivers: Papua New Guinea, Wogupmeri R. 10873
 Stimuli 10661
 Survival: ANE, North Sea 12566
 Water hardness: Papua New Guinea, Wogupmeri
 R. 10873
 Water temperature: ANE, North Sea 12566

***Hoplias malabaricus*,**

Geographical distribution: ASW, USA, Florida 2913
 Introduced species: ASW, USA, Florida 2913

***Hoplosternum thoracatum*,**

Aquariology 5618
 Reproductive behaviour 5618
 Spawning 5618

***Hormidiella bharatiansis*,**

New species: India, Jagdalpur 4768
 Reproduction: India, Jagdalpur 4768

***Horvathinia*,**

Reproductive organs 246

***Howella*,**

Taxonomy: World Subtropical Regions 11744

***Hozukius guyotensis*,**

Geographical distribution: ISE, Hawaiian Ridge 6235
 Morphology: ISE, Hawaiian Ridge 6235

***Huso huso*,**

Anatomy 11752
 Cells 11752
 Hybrids 11752
 Hybrids: USSR, Volga R. 8835
 Pituitary gland 11752
 Pollution effects 9880

***Hyalallela azteca*,**

Introduced species 9526
 Succession 9526

***Hyalodiscidae*,**

New species: ANW, USA, Virginia 164

***Hyalodiscus simplex*,**

Regeneration 4867

***Hyalophysa*,**

Geographical distribution: ANW, USA, North
 Carolina 8598

Parasites: ANW, USA, North Carolina 8598

***Hyalophysa trageri*,**

New species: ANW, USA, North Carolina 8598

***Hyas*,**

Experimental fishing: ANW, Canada 8817

***Hydra*,**

Biology 6015
 Cells 9225, 9226
 Chemical properties 12822
 Cytology Regeneration 2585
 Enzymes Regeneration 1380
 Hormones 9225, 9226
 Laboratory equipment 12822
 Muscular systems 12822
 Regeneration 172
 Symbionts 9653
 Ultrastructure 9653

***Hydra attenuata*,**

Budding 3912
 Cells 10414
 Models 10414
 Stinging organs 10414

***Hydra littoralis*,**

Antibiotics 13262
 Enzymes 12820
 Feeding 13262
 Histochemistry 12820
 Metabolism 12820
 Nematocysts 13262
 Osmoregulation 6065

***Hydra viridis*,**

Light effects 4251
 Oxygen consumption 4251
 Symbiosis 4251

***Hydracarina*,**

Diurnal rhythm: France, Auvergne, inland
 waters 13162
 Drift organisms: France, Auvergne, inland
 waters 13162
 Ecology: Panama, Canal Zone, Madden Lake 1845

***Hydrachna*,**

Sigara: Parasites: British Isles, Leicestershire 1801

***Hydrachnellae*,**

Aquatic communities: Guatemala 3982
 Taxonomy: Guatemala 3982

***Hydrilla*,**

Plant control: Southeast Asia 9957

***Hydrilla verticillata*,**

Growth rate: USA, Florida, Hillsborough County
 L. 5866
 Plant control Diseases 787
 Weeds Plant control: USA, Florida 2027

***Hydrobaenus pilipes*,**

Reproductive behaviour Seasonal variations 2738

- Hydrobia**,
digestion 9267
enzymes 9267
- Hydrobia ulvae**,
salinity tolerance: PNW, White Sea 5204
- Hydrobia ventrosa**,
breeding 5250, 5251
metabolism 5250, 5251
nutritional requirements 5251
- Hydrobiidae**,
physiology 4109
salinity effects 4109
- Hydrocorisae**,
new records Geographical distribution: Austria,
Neusiedlersee 1632
- Hydrocynus**,
swimbladder 8414
transportation 8414
- Hydroida**,
check lists: ISW, Seychelles 9173
community composition: ASE, Italy, Civitavecchia
Harbour 12299
colonising organisms: ASE, Italy, Civitavecchia
Harbour 12299
marine ecology: ASW, Colombia, Santa Marta 3145
- Hydroides elegans**,
biocoenoses: ANE, Netherlands, Delta Area 6391
succession: ANE, Netherlands, Delta Area 6391
- Hydrolagus colliei**,
pituitary gland 10580
- Hydrolimax grisea**,
winter 4845
ultrastructure 4845
- Hydromantes italicus**,
light effects 13198
morphology (organisms) 2846
olfaction 13198
predation 13198
vision 13198
- Hydromedusa**,
fossils: South America 11841
morphology (organisms): South America 11841
shells: South America 11841
taxonomy: South America 11841
- Hydromedusae**,
seasonal variations Sampling (biological): ASE, Ligurian
Sea 1659
- Hydrophiidae**,
locomotion 10666
respiration 5215
scales 10666
statistical analysis 10666
vertebrae counts 10666
- Hydrophilidae**,
geographical distribution: Cayman Is., Grand
Cayman 11706
new records: Cayman Is., Grand Cayman 11706
- Hydrophis cyanocinctus**,
hosts 3004
- Hydrophitrema gigantea**,
parasites 3004
taxonomy 3004
- Hydroporous mariannae**,
new species: Egypt, Arab Rep. 10532
- Hydroporus**,
keys: British Isles, Scotland 10526
- Hydroporus glabriusculus**,
geographical distribution: British Isles, Scotland 10526
new records: British Isles, Scotland 10526
- Hydroporus longicornis**,
geographical distribution: Germany, Fed. Rep. 1629
new records Geographical distribution: USSR,
Kavkaz 1629
- Hydroporus piceus**,
geographical distribution: Germany, F.R. 6421
new records: Germany, F.R. 6421
- Hydropsyche**,
ecosystems: Czechoslovakia, Jihlava R. 1930
keys: Poland 2731
larvae: Poland 2731
taxonomy: Poland 2731
- Hydrozoa**,
aggregations 13202
check lists: ANW, Cape Cod Bay 2543
chemical stimuli 13202
geographical distribution: ANW, Cape Cod Bay 2543
larvae 13202
morphology (organisms): INW, Japan, Hokkaido 12799
stinging organs: INW, Japan, Hokkaido 12799
underwater photography: ASW, Bahama Is. 5373
- Hydryphantes tenuabilis**,
Hydrometra myrae: Parasites Life cycle 3011
- Hygrobatas boettgeri**,
new species: Guatemala 3982
- Hyla**,
audition 13197
population genetics 6545
proteins 6545
reproductive behaviour 13197
vocal behaviour 13197
- Hyla berthae**,
new records: Brazil 4066
- Hyla meridionalis**,
bioacoustics 11941
hosts: Morocco 2891
vocal behaviour 11941
- Hymenena media**,
morphology (organisms) 5969
ontogeny 5969
terminology 5969
- Hymenochirus boettgeri**,
environmental factors: Africa, West 8446
reproduction 2856
reproduction: Africa, West 8446

***Hymenolepsis microstoma*,**

Muscular systems 3865

Nervous systems 3865

Ultrastructure 3865

***Hymenomonas carterae*,**

Viruses: INE, USA, Washington 9663

***Hymenomonas lacuna*,**

Anatomy: INE, USA, Washington 5975

New species: INE, USA, Washington 5975

Taxonomy: INE, USA, Washington 5975

***Hymenopenaeus diomedae*,**

Fish catch statistics: PSW, Chile, Quintero 5638

***Hymenopenaeus sibogae*,**

Fishery surveys: PSE, Australia, New South Wales 5647

***Hynobius lichenatus*,**

Cilia 11847

Electron microscopy 11847

Embryos 11847

***Hynobius nigrescens*,**

Calcium 8459

***Hypacantus*,**

Taxonomy 2762

***Hyperammina carinthiaca*,**

Terminology 2549

***Hyperammina carnica*,**

Terminology 2549

***Hyperiidae*,**

Community composition: ASE, Canary Is. 7388

Vertical distribution: ASE, Canary Is. 7388

Vertical migrations: ASE, Canary Is. 7388

***Hyperoche medusarum*,**

Predation: INE, Canada, British Columbia, Departure Bay 11971

Stomach contents: INE, Canada, British Columbia, Departure Bay 11971

***Hyperolius viridiflavus*,**

Colour: Africa, Kenya 8441

Ontogeny: Africa, Kenya 8441

Sexual dimorphism: Africa, Kenya 8441

***Hyphomicrobium*,**

Morphology (organisms) Metabolism: ANW, USA, Maryland 1284

***Hyphomycetes*,**

Acids 2483

Check lists: USA 13152

Chemical composition 283

Ecology: Hungary, Morgo R. 12727

Habitat: Hungary, Morgo R. 12727

New records: USA 13152

***Hyphydrus*,**

Taxonomy 2726

***Hypnea*,**

Environmental effects 11918

Growth 11918

***Hypnea musciformis*,**

Seaweed culture 12387

Yield 12387

***Hypnea volubilis*,**

New species: ANW, North Carolina, Onston Bay 9134

***Hypomesus japonicus*,**

Biochemistry Pigments 290

***Hypophthalmichthys molitrix*,**

Anaesthetics 13687

Artificial fecundation: Israel, Kinneret L. 7817

Benthos: Poland, Masurian Lakeland 6615

Fish culture: Israel, Kinneret L. 7817

Freezing storage 13680

Growth: Israel, Kinneret L. 7817

Metabolism Temperature effects 284

Oxygen demand 5605

Population density: Poland, Masurian Lakeland 6615

Seed (aquaculture) 13680

Sperm 13680

Transportation 13687

***Hypotracha*,**

Cell division 4851

Reproduction 4851

***Hypselodoris bilineata*,**

New species: ASE, Senegal 4842

***Hypsoblennius hentzi*,**

New records: ANW, Canada 8494

***Hyriidae*,**

Food organisms 4147

***Hyriopsis schlegeli*,**

Pearl culture: Japan 13710

***Ibacus novemdentatus*,**

Larvae Morphology (organisms): ISEW, East China Sea 1455

***Ichthyoxenus jellinghausii*,**

New records: India, Jabalpur, Pariat L. 13295

Parasites: India, Jabalpur, Pariat L. 13295

Laëo bata: Host-parasite systems: India, Jabalpur, Pariat L. 13295***Ichthyoscopus fasciatus*,**

Geographical distribution: ISEW, Australia, Queensland 5158

***Icriodontidae*,**

Biogeography: World Zoogeographic Regions 8511

Palaeontology: World Zoogeographic Regions 8511

***Ictaluridae*,**

Poisons (biological) 5537

Stinging organs: ASW, Mexico Gulf 5537

Therapy 5537

***Ictalurus*,**

Disease control 12358

Diseases 12358

Feeds 12359

Fish culture 12358

Fish farming: USA 12357

Fishery economics: USA 12357

Freshwater aquaculture Fish culture: Italy 910

Nutritional requirements 12359

***Ictalurus catus*,**

- Aluminium Pollution effects 632
 Aluminium Synergism 632
 Pollution effects 632
Notalurus lacustris,
 Herbicides 5496
 Pollution effects 5496
Notalurus melas,
 Fatigue 5083
 Feeding behaviour: USA, South Dakota, Poinsett
 L. 10844
 Food composition: USA, South Dakota, Poinsett
 L. 10844
 Respiratory system 5083
 Stomach contents: USA, South Dakota, Poinsett
 L. 10844
Notalurus nebulosus,
 Antibiotics 11821
 Artificial feeding Freshwater aquaculture 905
 Artificial feeding Temperature effects: USA,
 Alabama 906
 Bioelectricity 5089
 Conferences Artificial feeding 906
 Electric organs 5089
 Nutritive value Artificial feeding 905
Notalurus punctatus,
 Acclimation: USSR, Ukraine 12367
 Accessory organs 7320
 Commonia 13442
 Anatomy 7320
 Antibiotics 6279
 Aquaculture Economics: USA, Arkansas 2101
 Aquaculture Economics: USA, Mississippi 2101
 Aquaculture statistics: USA 7816
 Bibliographies 5584
 Bioaccumulation 13472
 Bioassays 13442
 Food 10640
 Grain 6279
 Chemical analysis 11808
 Chemical composition 5694
 Chemical toxicants 8755
 Chemoreception 2827, 10554
 Diseases 7261, 13625
 Electron microscopy 10554
 Enzymes 6279, 11808
 Fish culture 5584, 13650, 13904
 Fish culture: USA, Illinois 13638
 Fish culture: USSR, Inland waters 7806
 Fish culture Laboratory research 2120
 Fish culture Resource development: USA 3397
 Fisheries data: USA, Idaho, Snake R. 13857
 Fishery economics 13650
 Food composition 8564
 Genetics 7289
 Growth 7289, 13208
 Histology 10554
 Hosts 8604
 Hosts: USA, Oklahoma, Texoma L. 10868
 Hybrids 13208
 Insecticides 6279
 Introduced species: USSR, Ukraine 12367
 Length-weight relationships 7289, 7320
 Liver 7261
 Liver Enzymes 1509
 Methodology 11808
 Microbiological culture 3831
 Nitrates 13442
 Nitrites 13442
 Nutrient deficiency 13625
 Nutritional requirements 13625
 Organoleptic properties 13904
 Organoleptic properties Fish culture 3555
 Palatability 5694, 5695
 PCB 13472
 Pesticides 4279
 pH 7320
 Physiology 11808
 Pollution effects 4279, 4360, 11079
 Pollution monitoring 4279
 Population dynamics Stomach content: USA, North
 Dakota, Oahe L. 7500
 Population dynamics Stomach content: USA, South
 Dakota, Oahe L. 7500
 Preservation (fishery products) 5695
 Processing fishery products 5694, 5695
 Salinity effects 10640
 Stomach contents 8564
 Survival 13208
 Taste organs 2827
 Temperature effects 7320
 Toxicants 11079
 Toxicity 4360
 Trade: USA 7816
 Ultrastructure 7261
 Water quality 11079
 Water quality Growing ponds: USA, Alabama 907
Ictiobus,
 Fish culture: USSR, Inland waters 7806
 Traps Experimental fishing: USA, South Dakota, Oahe
 L. 7789
Ictiobus cyprinellus,
 Growth rate Population parameters: USA, South Dakota,
 Oahe L. 7498
 Reservoirs Geographical distribution: USA, South
 Dakota, Oahe L. 7498
 Reservoirs Growth rate: USA, South Dakota, Oahe
 L. 7498
Idiastion kyphos,
 Morphology (organisms): A, Atlantic 6202
 Taxonomy: A, Atlantic 6202
Idotea balthica,
 Acclimation: ASE, Italy, Venice Lagoon 9574
 Population genetics: ASE, Italy, Venice Lagoon 9574
 Salinity tolerance: ASE, Italy, Venice Lagoon 9574
Idotea chelipes,
 Population dynamics: ANE, Baltic Sea, Schlei
 Fjord 3041
 Temperature effects 2716
 Tolerance 2716

***Idotea metallica*,**

New records: ASW, Brazil 5139

***Idotea resicata*,**

Biosynthesis 11688

Proteins 11688

Radioactive tracers 11688

***Idunella pirata*,**New records Geographical distribution: ASE,
Mediterranean 214***Iglica*,**

Taxonomy Morphology (organisms) 1395

***Ikedosome gogoshimense*,**

Ultrastructure Spermatogenesis 1370

***Ilisha sirishai*,**

New species: ISW, Bengal Bay 1503

***Illex illecebrosus*,**

Stock assessment: ANW, USA 10044

***Illex illecebrosus*,**

Fishery surveys: ANW 13774

Shellfish fisheries: ANW 13774

***Illinobdella alba*,**

New records: America, Erie L. 8604

Parasites 8604

***Ilyanassa obsoleta*,**

Development 9247

Embryology Developmental stages 198

Evolution 9246

Nucleic acids Embryos 2642

Ontogeny 9246, 9247

***Ilyarachnida*,**

Biogeography 5152

Evolution 5152

Geographical distribution 5152

***Ilyoplax pusillus*,**

Larvae: Japan, Shizuoka Prefecture, Oota R. 11679

***Indocucullanus*,**

New species: Pakistan 7151

***Indocucullanus calcariferi*,**

New species: ISW, Pakistan 12805

***Indocucullanus karachii*,**

New species: ISW, Pakistan 12805

***Indoplanorbis exustus*,**

Parasites 2029

Pesticides Laboratory research 2029

***Inguza*,**

Taxonomy: PSW, South Africa Rep. 9458

***Inia geoffrensis*,**

Haemoglobin 2858

Serological studies 2858

***Inimicus sinense*,**

New records: ISW, India 4076

New records: ISW, Mannar Gulf 1637

New records: ISW, Sri Lanka 4076

***Inoceramus*,**

Palaeontology: France, Gironde R. 13948

***Inoceramus artigesi*,**

New species: France, Gironde R. 13948

***Inoceramus borilensis dauensis*,**

New species: France, Gironde R. 13948

***Insecta*,**

Benthos: USA, Colorado, Cement Creek 8670

Benthos: Zaire, Tshinganda/Luhoho R. 5358

Biogeography: New Zealand 7225

Biomass: Zaire, Tshinganda/Luhoho R. 5358

Chemical pollutants 13476

Competition: USA, Colorado, Cement Creek 8670

Diversity index: USA, Colorado, Cement Creek 8670

Ecology 12230

Environmental effects 10524

Evolution 3048

Fish culture 13170

Freshwater ecology: New Zealand 7225

Gravity 3048

Habitat: USA, Colorado, Cement Creek 8670

Methodology 11438

Morphology (organisms) 3048

Pest control 13170

Pollution effects 12230, 13476

Salinity tolerance 13170

Salt marshes 10524

Symbiosis 8674

Temperature tolerance 13170

Thermal springs: USA, Virginia 1469

Tides 10524

Traps 1609, 11438

***Interleptomesochra boguensis*,**

New species: ANW, USA, North Carolina 8252

***Invertebrata*,**

Abundance: Poland, Mikolajskie L. 13364

Abundance: USA, Colorado, North St. Vrain Creek 8679

Abundance: USA, Iowa 9797

Abundance: USA, New York, Montezuma

Natl. Wildl. Refuge 9720

Acclimation: USSR, Inland waters 7794, 7826

Acclimation: World waters 9992

Adsorption Metabolites 175

Aerobic respiration 10127

Aggregations 9516

Aircraft 8807

Allopatric populations: I, Pacific 5163, 5163

Amino acids 10408

Antimony 7681

Aquatic plants: Poland, Masurian Lakeland 13392

Assimilation Metabolites 175

Behaviour 7405

Benthos 2876, 10936, 12086

Benthos: ANE, Baltic, Luebeck Bay 5363

Benthos: ANE, Kiel Bight 9725

Benthos: ASE, Taranto Gulf 12089

Benthos: Canada 3092

Benthos: Canada, Quebec, Gatineau Park 5361

Benthos: Germany, F.R., Kottenforst-Ville Nature
Park 7545

Benthos: India, Burdwan 13368

Benthos: Poland, Mikolajskie L. 13364

- enthos: USA, Alaska 3092
 enthos: USA, Colorado, North St.Vrain Creek 8673
 enthos: USA, New York, Montezuma
 Natl.Wildl.Refuge 9720
 enthos Pesticides 1995
 Bioaccumulation 6688
 Bioacoustics 12523
 Biochemistry 10408
 Biogeography: I, Pacific 5163, 5163
 Biogeography: USSR, Baikal L. 6395
 Biological collections: ANE, Baltic, Luebeck Bay 5363
 Biological collections: ASE, Taranto Gulf 12089
 Biological collections: France, Corbieres 5929
 Biology: Philippines 12780
 Biomass: ASE, Taranto Gulf 12089
 Biomass: India, Burdwan 13368
 Biomass: USA, Colorado, North St.Vrain Creek 8673
 Biota 12142
 Biotope: America, Amazon R. 6595
 Biotope: France, Opoul 10358
 Blood 10413
 Books 111, 3858, 4466
 Charts: INE, Canada, Gulf Isl. 13118
 Check lists: British Isles, Westmorland, Inland
 waters 4227
 Check lists: Germany, F.R., Kottenforst-Ville Nature
 Park 7545
 Check lists: Germany, F.R., Nordrhein-Westfalen 9169
 Chemical structure 10413
 Communities: USA, Virginia, New R. 3104
 Community composition: ASE, Black Sea 12300
 Community composition 10936, 12142
 Community composition: ANE, Baltic 9726
 Community composition: ANE, Kiel Bight 9724
 Community composition: ANW, Delaware Bay 4209
 Community composition: ANW, USA, Raritan
 Bay 4206, 4221
 Community composition: ASE, Black Sea 11543
 Community composition: Eire, Inland waters 4215
 Community composition: France, Opoul 10358
 Community composition: India, Kerala, Vembanad
 L. 9731
 Community composition: Poland, Masurian
 Lakeland 13392
 Community composition: Poland, Mikolajskie
 L. 13364, 13394
 Community composition: USA, Colorado, North St.Vrain
 Creek 8673
 Conservation 8807
 Coral reefs 7551
 Cultures 4466
 Diseases 10402
 Diversity index: ANW, USA 5485
 Diversity index: Canada, Manitoba, Rat R. 13367
 DNA 10408
 Drift organisms: Ghana, Pawmpawm R. 6439
 Ecology: America, Amazon R. 6595
 Ecology: British Isles, Westmorland, Inland waters 4227
 Ecology: USSR, Baikal L. 6395
 Energy flow 6583
 Environmental effects: Eire, Inland waters 4215
 Environmental effects: USA, Ohio 4327
 Environmental effects: USA, Virginia, New R. 3104
 Environmental factors 12142
 Evolution: PNW, White Sea 9094
 Evolution: USSR, Baikal L. 6395
 Excretion 2460
 Fats 12722
 Food organisms: USSR, Inland waters 7826
 Fouling organisms: ASE, Black Sea 12300
 Fouling organisms: INW, Japan Sea 11154
 Freshwater ecology 4345
 Freshwater ecology: Canada 3092
 Freshwater ecology: USA, Alaska 3092
 Freshwater ecology: USA, California, Shastina L. 3726
 Freshwater pollution 4345
 Habitat: Poland, Masurian Lakeland 13392
 Habitat: Poland, Mikolajskie L. 13393
 Habitat: USA, Iowa 9797
 Horizontal distribution: Panama, Canal Zone, Gatun
 Locks 5194
 Hosts: ISW, India, Madras 9646
 Hosts: USSR, Aral Sea 11990
 Hydrology: France, Opoul 10358
 Immunology 3858, 10402
 Indicator organisms 4345
 Insecticides Pollution effects 1985
 Intertidal environment: ANE, British Isles, Scotland,
 Firth of Forth 9892
 Introduced species: INW, Japan Sea 11154
 Introduced species: USSR, Inland waters 7803
 Keys: British Isles, Shropshire 1350
 Lethal limits 4373
 Life cycle: ASE, France, Villefranche-sur-Mer 5289
 Marshes: USA, Iowa 9797
 Mercury 12486
 Metabolic rate 6484
 Metabolic rate: ASE, Black Sea 12300
 Methodology 4466
 Nutritive value Rivers: Germany, F.R., Naturpark
 Kottenforst-Ville 9626
 Oil pollution Bioaccumulation: ISW, Red Sea 621
 Oil pollution Pollution effects: ISW, Red Sea 621
 Oil pollution Toxicity: ISW, Red Sea 621
 Oil spills Intertidal environment: INE, USA,
 Washington 616
 Oil spills Mortality causes: INE, USA, California, San
 Francisco Bay 612
 Oil spills Pollution effects: INE, USA, California, San
 Francisco Bay 612
 Oil spills Pollution effects: INE, USA, Washington 616
 Oil spills Toxicity: INE, USA, California, San Francisco
 Bay 612
 Ontogeny 7071
 Oogenesis: PNW, White Sea 9094
 Organic suspended matter Metabolism 175
 Osmoregulation: PS 12724
 Oxygen consumption: USA, Ohio 4316
 Oxygen depletion Pollution effects 650
 Oxygen system 10413
 Parasites: ASE, Azov Sea 7458
 Parasites: ASE, Black Sea 7458

- Parasites: Canada 9657
 Parasites: ISW, India, Madras 9646
 Parasites: USA, Alaska 9657
 Phenols Communities: America, Great Lakes 7759
 Phenols Fishery management: America, Great Lakes 7759, 7762
 Phenols Toxicants: America, Great Lakes 7759, 7762
 Phenols Toxicity: America, Great Lakes 7759, 7762
 Plankton: ANE, Kiel Bight 9725
 Plutonium 6688
 Pollution effects 4373
 Pollution effects: ANE, British Isles, Scotland, Firth of Forth 9892
 Ponds: India, Burdwan 13368
 Population density: ANE, Baltic 9726
 Population density: ANE, Kiel Bight 9724
 Population dynamics: Poland, Masurian Lakeland 13392
 Population growth 4133
 Production (biological): Poland, Mikolajskie L. 13364
 Radioactive pollution 7681
 Radioactive tracers 12086
 Red tides Mortality causes: ASW, USA, Texas 745
 Red tides Physiology: ANW, USA 755
 Red tides Toxicity: ANW, USA 755
 Red tides Toxicity: ASW, USA, Texas 745
 Research programmes: ISEW, Philippines 12714
 Research programmes: Philippines 12780
 Reservoirs Benthos: USA, North Dakota, Oahe L. 7549
 Reservoirs Benthos: USA, South Dakota, Oahe L. 7549
 Reservoirs Community composition: USA, North Dakota, Oahe L. 7549
 Respiration: PS 12724
 Rivers 10936
 Rivers: Germany, F.R., Nordrhein-Westfalen 9169
 Salinity effects: Panama, Canal Zone, Gatun Locks 5194
 Sampling (biological): ANW, USA 5485
 Seasonal variations: Poland, Mikolajskie L. 13364
 Seasonal variations: USA, New York, Montezuma Natl. Wildl. Refuge 9720
 Spectroscopic techniques 10413
 Sperm 10408
 Springs: France, Opoul 10358
 Succession: ASE, Black Sea 12300
 Survival: Poland, Mikolajskie L. 13393
 Temperature effects: PNW, White Sea 9094
 Thermal pollution: USSR, Inland Waters 6716
 Toxicity 4373
 Toxicity Pesticides 1995
 Vegetation cover: USA, Iowa 9797
- Iphiplateia orientalis*,**
 New species: INW, Japan Sea 11672
- IPN virus*,**
 Viruses 12004
- Iridaea cordata*,**
 Pigments 7095
 Spores 7095
- Ircinia muscarum*,**
 Protective behaviour 10409
- Iridaea cordata*,**
 Carrageenins 13221
 Cultures 13221
 Environmental factors 13221
 Light effects 13221
 Seaweed culture: INE, USA, Washington 2134
- Irona*,**
 Parasites 7464
- Ischnochiton lopesi*,**
 New species: ASW, Brazil 2603
- Isoglaridacris erraticus*,**
 New species: USA, Alabama 166
- Isoglaridacris etowani*,**
 New species: USA, Alabama 166
- Isognomon*,**
 Heart 4940
 Methodology 4940
- Isohypsibius augusti*,**
 Cells 10372
 Ultrastructure 10372
- Isoparorchis hypselobagri*,**
 Biochemical analysis 6077
 Osmoregulation 12838
 Oxygen consumption 3025
 Parasites 3025, 12838
 Trace constituents 6077
- Isopoda*,**
 Check lists: ASW, Brazil 5139
 Copper 9869
 Cruises Oceanographic data: AN 1436
 Geographical distribution: ASW, Brazil 5139
 New records: ASE, Turkey 6408
 Osmoregulation 9869
 Salinity effects 9869
- Isospondyli*,**
 Evolution 9389
 Genetics 9389
 Polyploids 9389
 RNA 9389
- Isostichopus badionotus*,**
 Ion accumulation 8183
 Osmoregulation 8183
 Salinity tolerance 8183
- Israelaria*,**
 New species: Israel, Negev 10106
- Isthmoplea sphaerophora*,**
 Chromosomes Life cycle 1313
- Istiophoridae*,**
 Geographical distribution: ISEW 11770
 Geographical distribution: ISW 11770
 Larvae: ISEW 11770
 Larvae: ISW 11770
 Taxonomy: ISEW 11770
 Taxonomy: ISW 11770
- Istiophorus platypterus*,**
 Commercial species: ASW, USA, Florida 11159
 Life cycle: ASW, USA, Florida 11159
 Sport fishing: ASW, USA, Florida 11159

***Unella intermedia*,**

New species: ASE, Black Sea 4971

***Uromyces opdenboschi*,**

New species: Africa, Gabon R. 1527

***Uroquinotia edwardsii*,**

Baits: PSE, New Zealand 13808

Catch effort: PSE, New Zealand 13808

Moulting: PSE 13808

Shellfish catch statistics: PSE, New Zealand 13808

Shellfish fisheries: PSE, New Zealand 13808

Stock assessment: PSE, Pukaki Rise 13808

***Urosera ischiosetosa*,**

Chromosomes: ANE, Europe 8271

Genetics: ANE, Europe 8271

Population genetics: ANE, Europe 8271

***Urosera nordmanni*,**

Heavy metals 10741

Histology 10741

Respiratory organs 10741

Salinity effects 10741

Ultrastructure 10741

***Urosera hessleri*,**

New species 1436

***Uroszewskaella fortobothria*,**

New species: USA, Pennsylvania, Susquehanna R. 8156

Parasites: USA, Pennsylvania, Susquehanna R. 8156

***Urosia brasiliensis*,**

New records Introduced species: ANE, British Isles,

Hampshire 1663

***Urosia*,**

New species: INW, Japan, Shikoku, Anan 2572

***Urosia lalandii*,**

Hormones 8306

Moulting 8306

Reproductive behaviour 8306

***Urosia novaehollandiae*,**

Recruitment: PSE, Tasmania 1253

Size distribution: PSE, Tasmania 1253

***Urosia*,**

Baits: ASW, Grand Cayman 2742

Macrotophores: ASW, Grand Cayman 2742

Marine reefs: ASW, Grand Cayman 2742

Schooling behaviour: ASW, Grand Cayman 2742

***Urosia chitoninae*,**

Baits: INW 4916

New species: INW 4916

Phenology: INW 4916

***Urosia*,**

Development 4780

Growth 4780

Stores 4780

***Urosia circinnata*,**

New species: INW, USSR 9119

***Urosia rhynchia*,**

Population structure: ANE, North Sea, Sylt Isl. 4168

***Urosia*,**

Genetics: Southern Africa 8547

Reproductive behaviour: Southern Africa 8547

Vocal behaviour: Southern Africa 8547

***Katylisia opima*,**

Filtration 1411

***Katodinium rotundatum*,**

Red tides Population parameters: ANW, USA, Maryland 741

***Katsuwonos pelamis*,**

Age composition: ANE 12421

Age composition: ASE 12421

Anatomy 7244

Baits 13623

Blood cells Pigments 291

Canned products 13905

Circulatory system 7244

Condition factor 13315

Fish catch statistics: ASE 12420

Fish catch statistics: I, Pacific 11223

Fish catch statistics Resource availability: IS 7853

Fisheries: ASW, Venezuela 3370

Fisheries resources Resource development: IS, Pacific 7842

Fishing effort: I, Pacific 11223

Fishing grounds: I, Pacific 11223

Freezing 13905

Growth: ASE 11951

Landing statistics: I, Pacific 11223

Marine ecology 13315

Marine fisheries: ISEW, Indonesia 799

Pelagic fisheries: IS, Pacific 12445

Physiology 9444

Potential yield: ASE 12440

Proteins 13006

Quality control Food composition 2208

Racial studies: ASE 11951

Recruitment: ASE 12440

Resource development: IS, Pacific 12445

Respiratory pigments 13006

Schooling behaviour 13315

Size distribution 13315

Size distribution: ANE 12421

Size distribution: ASE 12421

Size distribution: ASE, Guinea Gulf 12028

Stimuli 9444

Stock assessment: ASE 12440

Stock assessment: ASW, Cuba 13862

Storage effects 4027, 13905

Temperature effects 9444

Water temperature 9444

Yield: ASE 12420

***Keratella cochlearis*,**

Bioassays: America, Michigan L. 13457

Chlorine: America, Michigan L. 13457

Pollution effects: America, Michigan L. 13457

***Kermia informa*,**

New records: ISE, Ecuador 7379

***Keronopsis rubra*,**

Population density Growth rate 428

Kinetoskias,

New species 1143

Kinorhyncha,

Benthos: ASE, France, Banyuls-sur-mer 5366

Interstitial environment: ISE, Galapagos 3881

Kinosternon sonoriense,

Parasites: USA, Arizona, Inland waters 8595

Klebsiella pneumoniae,

Culture media: USA, Georgia, Clarke County 4740

Dyes 4740

Rivers: USA, Georgia, Clarke County 4740

Klopsyllus longifurcatus,

New species: ANE, Germany F.R. 2673

Koenikea tinka,

New species: Australia 1479

Kofoidinium,

Ultrastructure 4826

Kraemeria samoensis,

New records: ISW, India 1638, 4078

Krishnapsyllus furcavaricatus,

Morphology: ISW, Tanzania 3958

Kronborgia spiralis,

Parasites 12009

Taxonomy 12009

Kunzia bispinosa,

Morphology: ISW, Tanzania 3958

Kurodadrillia habui,

New species: INW, Japan, Tanabe Bay 2635

Labeo,

Gear selectivity: India, Govindsagar Reservoir 4452, 5572

Length-weight relationships 6535

Population structure 6535

Respiration Blood 299

Size distribution 6535

Swimbladder 8414

Transportation 8414

Labeo bata,

Fecundity: India, Kali R. 9388

Sexual reproduction: India, Kali R. 9388

Labeo calbasu,

Alimentary organs 12948

Condition factor: India, Loni Reservoir 13223

Feeding 12948

Feeding behaviour: India, Loni Reservoir 13223

Length-weight relationships: India, Loni Reservoir 13223

Life cycle 12948

Labeo capensis,

Carbon dioxide 6284

Physiology 6284

Respiration 6284

Serological studies 6284

Labeo gonius,

Reproduction 7290

Sex ratios 7290

Labeo rohita,

Alimentary organs 3991

Biochemistry 13055

Biology 1485

Enzymes 13055

Fertilizers 13693

Fish culture: Lybia 13652

Growth 13055, 13693, 13695

Habitat improvement 13693

Haematology 13053

Histology 3991, 13055

Juveniles 13690

Nursery ponds 13690

Nutrients (mineral) 13693

Ponds 13693

Rearing 13690

Taxonomy 1485

Labeo umbratus,

Oxygen demand 7325

Respiratory pigments 7325

Temperature effects 7325

Labidocera,

Environmental effects: America coasts 9518

Geographical distribution: America coasts 9518

Morphology: America coasts 9518

Labidocera aestiva,

Eggs 7402

Geographical distribution: ANW, Cape Cod Bay 6555

Population dynamics: ANW, Cape Cod Bay 6555

Seasonal variations: ANW, Cape Cod Bay 6555

Labidochirus splendescens,

Development 2676

Taxonomy 2676

Labidochromis,

Taxonomy: Africa, Malawi L. 5040

Labroides phthirophagus,

Predation 10991

Protective behaviour 10991

Survival 10991

Labyrinthomyxa marina,

Thermal aquaculture: ASW, USA, Texas 2003

Lacrymaria olor,

Ultrastructure 2565

Lacuna vineta,

Grazing: ANW, USA, New Hampshire, Newcastle

I. 5262

Population structure: ANW, USA, Massachusetts 5296

Sex ratios: ANW, USA, Massachusetts 5296

Lacydonia laureci,

Morphology (organisms): ASE, Mediterranean, Matapan

Trench 4841

New species: ASE, Mediterranean, Matapan

Trench 4841

Laconereis culveri,

Development 2574

Life cycle 2574

Laevapex fuscus,

Hermaphrodites 10447

- Hosts: USA, Michigan 8155
 New records: USA, Texas 11877
 Reproduction 10447
Laminaria
 Check lists: ANE, British Isles 3864
Laminaria
 Fungal diseases 8596
 Fungal diseases Biological control 784
Laminaria coscinodisci
 Diseases: ASW, Jamaica 9649
 Parasites: ASW, Jamaica 9649
Laminaria
 Geographical distribution: Japan 6404
Laminaria rhomboides
 Amino acids 13252
 Bioaccumulation: ANW, USA, North Carolina, Newport
 R. 9865
 Chemical stimuli 8568, 13252
 Feeding: ANW, USA, North Carolina 9792
 Feeding behaviour 8568, 13252
 Heavy metals: ANW, USA, North Carolina, Newport
 R. 9865
 Introduction (biological): ANW, USA, North
 Carolina 9792
Laminaria ribeiroi kapuri
 Morphology: India, Uttar Pradesh, Saharanpur 12955
Laminaria leachii
 Biosynthesis 6062
 Mats 6062
Laminaria sharoni
 Taxonomy 4908
Laminaria
 Morphology (organisms) 3902
 Taxonomy 3902
Laminaria barhami
 Excretory organs 3903
 Morphology (organisms) 3903
Laminaria luyesi
 New species 3902
Laminaria consobrinus
 Glands 11637
 Histochemistry 11637
 Mucus 11637
Laminaria corrianus
 Alimentary organs 12844
 Digestion 12844
 Excretion 8224
Laminaria
 New species: ISEW, Molucca Isl. 2848
Laminaria
 Ecosystems 13387
 Environmental factors: ANW, Canada, Nova Scotia,
 St. Margaret's Bay 13406
 Genetics Speciation 1826
 Grazing: ANW, USA, New Hampshire, Newcastle
 I. 5262
Laminaria coriacea
 Epiphytes: INW, Japan, Hokkaido, Hanasaki 12751
Laminaria digitata
 Absorption 2541
 Radioisotopes 6002
Laminaria faeroensis
 Abnormalities: ANE, Shetland 9120
 Morphology: ANE, Shetland 9120
Laminaria hyperborea
 Growth: ANE, Isle of Man 7427
 Growth rate: ANE, Isle of Man 11955
Laminaria japonica
 Bioaccumulation 6689
 Economics: Japan 7837
 Seaweed culture: Japan 7837
Laminaria longicruris
 Abundance: ANW, Canada, Nova Scotia, St. Margaret's
 Bay 10849
Laminaria ochroleuca
 Alginates Chemical extraction 149
 Biochemistry 12776
 Chemical extraction 12776
 Ecology: ANE, France 149
 Ecology: ASE, France 149
Laminaria saccharina
 Biocoenoses: PNW, White Sea, Chupa Bay 3099
 Ecological distribution: PNW, White Sea, Chupa
 Bay 3099
Laminariales
 Assimilation 12124
 Physiology 12124
Lampetra
 Biometrics 9349
 Ion transport 5068
 Life cycle 9349
 Morphology (organisms) 9349
 Respiratory organs 5068, 9349
Lampetra fluviatilis
 Blood 8392, 13040
 Blood cells 9445
 Calcium 13038
 Carbohydrates 8392
 Development 9445
 Eyes 8355
 Glands 9433
 Haematology 9445
 Hormones 8392, 13038
 Iodine 9433
 Muscular system 6333
 Nervous system: British Isles, Inland waters 12014
 Nervous systems 6333
 Oxygen consumption Spawning migrations 2831
 Oxygen depletion 8392
 Parasites: British Isles, Inland waters 12014
 Physiology 13040
 Pituitary gland 6237, 8392
 Sexual maturity 13040
 Spawning migrations 13038

Spawning migrations: Sweden, Ricklea R. 2942

Sugar 13040

Ultrastructure 8355

***Lampetra lamottenii*,**

Cells 8338

***Lampetra planeri*,**

Biosynthesis 10625

Chemical structure 10625

Hormones 10625

***Lampris guttatus*,**

Anatomy 10560

Fins 10560

Locomotion 10560

Muscular system 10560

Terminology 10559

***Lamprologus brichardi*,**

Aggressive behaviour 13186

Reproductive behaviour 13186

Spawning 13186

Territorial behaviour 13186

***Lamprometra klunzingeri*,**

Biochemistry: ISW, Aqaba Gulf 6063

Feeding: ISW, Aqaba Gulf 6063

Pigments: ISW, Aqaba Gulf 6063

***Lanice conchilega*,**

Biochemistry 4857, 8140

Glands 4857, 8140

Histology 8140

Secretory products 4857

Tentacles 11552

Ultrastructure 11552

***Laophonte capillata*,**

Nomenclature 8265

Taxonomy 8265

***Lardoglyphus konoi*,**

Alimentary organs 10535

Histochemistry 10535

***Laridospora appendiculata*,**

Morphology (organisms): Malaya, Gombak R. 5956

New species: Malaya, Gombak R. 5956

Taxonomy: Malaya, Gombak R. 5956

***Larus canus*,**

Feeding behaviour: USSR, Northern Kazakhstan,
Naursum Reservation 8584

Food composition: USSR, Northern Kazakhstan,
Naursum Reservation 8584

Seasonal variations: USSR, Northern Kazakhstan,
Naursum Reservation 8584

***Larus occidentalis*,**

Feeding behaviour: INE, USA, California, Monterey
County 8684

Food composition: INE, USA, California, Monterey
County 8684

Predation: INE, USA, California, Monterey
County 8684

***Lates longispinus*,**

Fishery biology: Africa, Rudolf L. 11720

Freshwater ecology: Africa, Rudolf L. 11720

***Lates mariae*,**

Abnormalities: Africa, Tanganyika L. 5038

Colour: Africa, Tanganyika L. 5038

***Lates niloticus*,**

Catch statistics: Egypt, Arab Rep., Nasser L. 13810

Electric fishing: Ivory Coast, Bouake 10012

Fishery biology: Africa, Rudolf L. 11718

Freshwater ecology: Africa, Rudolf L. 11718

Life cycle: Africa, Rudolf L. 11718

Mortality causes: Egypt, Arab Rep., Nasser L. 13810

Mortality rate: Egypt, Arab Rep., Nasser L. 13810

Population parameters: Africa, Rudolf L. 11718

Population structure: Egypt, Arab Rep., Nasser L. 13810

Sexual dimorphism: Ivory coast 280

***Laticauda semifasciata*,**

Chemical analysis 1352

Poisons (biological) 1352, 4409

Poisons (biological) Chemical structure 770

Proteins 4409

Toxicity 1352

***Latimeria chalumnae*,**

Chemical composition 11819

Cytology 5024, 6209

Enzymes 13023

Excretion 11819

Glands 13023

Osmoregulation 11819

Oviviparity 6258

Oxygen consumption 13062

Physiology 13023

Pituitary gland 5024

Respiration 13062

Ultrastructure 6209

***Latirus*,**

Speciation: ASW, Barbados 4899

Taxonomy: ASW, Barbados 4899

***Latirus bernadensis*,**

New species: ASW, Barbados 4899

***Latona*,**

Taxonomy 10431

***Laurencia caespitosa*,**

Biochemistry 12778

Chemical analysis 12778

Seaweed products 12778

***Laurencia intricata*,**

Chemical extraction 11510

***Laurencia nidifica*,**

Chemical analysis 8129

***Laurencia pacifica*,**

Metabolites: INE, USA, California, La Jolla 8126

Morphology (organisms): ISE, Mexico, Ensenada 8126

Seaweed products: INE, USA, California, La Jolla 8126

Subpopulation: INE, USA, California, La Jolla 8126

***Lavinia exilicauda*,**

Speciation 7504

***Leander adpersus*,**

Oil pollution: ASE, Black Sea 12256

Pollution effects 6717

- Leander serratus*,
 Artificial feeding Juveniles 854
 Growth Juveniles 854
 Rearing Juveniles 854
- Leander styliferus*,
 Eggs; ISW, India, Kulti Estuary 13604
- Lebistes reticulatus*,
 Endocrine glands 11796
 Life cycle 7229
 Nervous systems 11796
 Oxygen consumption 6712
 Pesticides 6712
 Phenols 11796
 Physiology 6452
 Pigments Chromatophores 2826
 Pollution effects 4295, 6712
 Pollution monitoring 4295
 Skin Cells 1511
 Temperature effects 6452
 Tolerance 4295
- Lebrunia danae*,
 Symbiosis: ASW, Bahama Is. 7594
- Leptocane bidentata*,
 New species 4822
- Leptocane donnerianus*,
 New species 4822
- Leptocane eswari*,
 Abundance: India, Andhra Pradesh 12798
 New species: India, Andhra Pradesh 12798
 Seasonal variations: India, Andhra Pradesh 12798
- Leptognathus splendens*,
 Biometrics 12958
- Leptoria*,
 New species: Israel, Negev 10106
- Leptostomus xanthurus*,
 Bioaccumulation: ANW, USA, North Carolina, Newport R. 9865
 Bioassays 5433
 Cadmium 4362
 Feeding: ANW, USA, North Carolina 9792
 Hemoglobin 6314
 Heavy metals: ANW, USA, North Carolina, Newport R. 9865
 Parasites: USA, Texas, Clear Lake 8605
 Pollution effects 4362
 Production (biological): ANW, USA, North Carolina 9792
- Leptombos*,
 New records Geographical distribution: ISW 212
 Taxonomy Morphology (organisms): ASE, Mediterranean 208
- Leptombos parahastatus*,
 Taxonomy New species: ISW 212
- Leptombos punctatus*,
 Taxonomy New species: ISW 212
- Leptopas*,
 Larvae Geographical distribution: ANE 1852
- Lepas anatifera*,
 Abundance: ANE 12059
 Geographical distribution: ANE 12059
- Lepeophtheirus anguilli*,
 New species: ISW, India, Kerala 12895
 Parasites: ISW, India, Kerala 12895
- Lepeophtheirus pectoralis*,
 Chemotropism 7471
 Hosts 7471
- Lepeophtheirus salmonis*,
 Parasite control 9664
 Parasites 9664
- Lepidobatrachus llanensis*,
 Desiccation 8419
 Survival 8419
 Temperature effects 8419
- Lepidochelys olivacea*,
 Geographical distribution: ISEW, Caroline Is, Yap, M'Il Channel 2907
- Lepidocyclus*,
 Palaeontology 3892
 Taxonomy 3892
- Lepidodermella squammata*,
 Pollution effects 8697
- Lepidophylliopsis*,
 New species: Mexico 13954
- Lepidopus caudatus*,
 Geographical distribution: PSW, Africa 9550
- Lepisosteus oculatus*,
 Blood: USA, Inland waters 11797
 Physiology: USA, Inland waters 11797
 Swim bladder 4003
 Ultrastructure 4003
- Lepisosteus platostomus*,
 Light effects Respiration 1573
 Temperature effects Respiration 1573
- Lepisosteus spatula*,
 Amino acids Eyes 1598
- Lepomia macrochirus*,
 Pollutants Metabolism 3294
- Lepomis*,
 Ecology 7351
 Feeding behaviour 8563
 Genetics 10903
- Lepomis cyanellus*,
 Aerobic respiration 13183
 Arsenic 7262
 Avoidance behaviour 5212
 Bioaccumulation 3253, 7262
 Liver 7262
 Locomotion 5212
 Oxygen consumption 13183
 Pesticides 3253
 Turbidity 13183
 Ultrastructure 7262
- Lepomis gibbosus*,
 Swimbladder Circulatory system 1549

Lepomis machrochirus,
Chemical pollutants 11067
Pollution effects 11067

Lepomis macrochirus,
Acclimation 9584
Aggressive behaviour 4116, 13188
Bioaccumulation 12295
Bioassays 12229
Caesium 12295
Chemical toxicants 8755
Enzymes 11073
Feeding: USA, Texas 7442
Fertilization 9801
Fish culture Laboratory research 2120
Fishing mortality 10054
Growing ponds Production (biological): USA,
Alabama 909
Insecticides 11073
Length-weight relationships: USA, Texas, Nasworthy
L. 2979
Locomotion 10650
Parasites 5288
Pesticides 8758
Pollution monitoring Detergents 647
Ponds 9801
Radioactive pollution 12295
Seasonal variations 13188
Social behaviour 13188
Strains: USA, Iowa, West Okobij 6069
Temperature tolerance 9584
Territorial behaviour 4116
Thermal pollution: USA, Virginia 7725
Thermoregulation 7322
Thermoregulation: USA, Virginia 7725
Yield 10054

Leptastacus jeneri,
New species: ANW, USA, North Carolina 8252

Leptinogaster,
Ecology: ASE, Black Sea 12155
Symbionts: ASE, Black Sea 12155

Leptochela,
Geographical distribution 11670
New species 11670
Sexual dimorphism 11670

Leptoconus gernanti,
New species: ASE, Senegal 6103

Leptocylindrus,
Terminology 7080

Leptodactylus,
Reproductive behaviour 8549
Vocal behaviour 8549

Leptodactylus pentadactylus,
Habitat: Costa Rica 1725
Microorganisms Poisons (biological) 771
Poisons (biological) Antibiotics 771
Predation Feeding behaviour: Costa Rica 1725

Leptodora kindtii,
Secondary production: Poland, Mikolajskie L. 6610

Leptogorgia,
Feeding behaviour 10825
Tidal currents 10825

Leptolaimidae,
Keys 4834

Leptolaimus pocillus,
Morphology (organisms): ASE, France,
Banyuls-sur-mer 4834
New species: ASE, France, Banyuls-sur-mer 4834

Leptonychotes weddelli,
Diving 4044
Respiratory organs 4044

Leptophlebia vespertina,
Temperature effects: British Isles, Wales, Inland
waters 5185

Leptosynapta inhaerens,
Hermaphrodites 12813
Sexual reproduction 12813
Stimuli 12813

Leptothrix ochracea,
Iron Freshwater ecology: British Isles, Cumbria, Blelhan
Tarn 118

Lepturacanthus savala,
Fish larvae: ISW 6232

Lernaea cyprinacea,
Life cycle: Indonesia 9648
Parasite control: Indonesia 9648
Parasites: Indonesia 9648

Lernaenicus encrasicholi,
Parasites: ANE, North Sea 7460

Lernaenicus sprattae,
Parasites: ANE, North Sea 7460

Lernaecocera branchialis,
Eggs 12910
Embryology 12910
Migrations: ANW, Canada, Newfoundland 10861
Morphology (organisms) 12910
Parasites 12910
Parasites: ANW, Canada, Newfoundland 10861

Lestes congener,
Insecticides: USA, Ohio 8776
Lestes disjunctus australis,
Life cycle: USA, North Carolina 12926

Lestes vigilax,
Life cycle: USA, North Carolina 12926

Lethenteron meridionale,
Colour: USA, Inland waters 11764
Muscular system: USA, Inland waters 11764
New species: USA, Inland waters 11764

Lethocerus,
Eyes 2740
Ultrastructure 2740
Vision 2740

Lethocerus indicum,
Morphology Anatomy 10384

Lethrinus crocineus,
Fisheries resources: ISW 6534

- geographical distribution: ISW 6534
 Marine ecology: ISW 6534
 Stock assessment: ISW 6534
- Leucicorus atlanticus*,
 New species: ASW 6228
 Taxonomy: ASW 6228
- Leucicorus lusciosus*,
 Taxonomy: INE 6228
- Leuciscus*,
 Bioaccumulation 12484
 Fishery products 12484
 Radioisotopes 12484
- Leuciscus cephalus*,
 Hosts: Turkey, Elazig 7468
 New records: Italy, Inland waters 1619
- Leuciscus idus*,
 Aquaculture 648
 Bioassays 12188
 Chemical pollutants 12188
 Metabolic rate 6453
 Pollution effects 648
 Respiratory quotient 6453
 Statistical analysis 12188
- Leuciscus souffia*,
 Taxonomy: Italy, Garda L. 272
- Leucocarpopsis devensis*,
 New species: British Isles, Wales, Merioneth, Dee R.,
 Corwen 11485
- Leuconostoc mesenteroides*,
 Cells 8084
- Libellula gaigei*,
 Geographical distribution: Mexico, Mazatlan, Inland
 waters 12925
- Libinia dubia*,
 Spores 6035
- Libinia emarginata*,
 Metabolic rate 9621
- Libichenes*,
 Geographical distribution: British Isles, Scotland, Tweed
 R. 2923
- Libichia*,
 Nomenclature 2762
- Libichina pygmaea*,
 Osmoregulation 6013
 Photosynthesis 6013
 Physiology 6013
- Libichomolgidae*,
 Ecosystems: ISEW, New Caledonia 3158
 Morphology (organisms): ISEW, New Caledonia 3158
- Libichomolgidium tupuhiae*,
 New species: PSE, New Zealand 1444
- Libichomolgus eganae*,
 New species: PSE, Australia, New South Wales 3951
- Libigia italica*,
 Haemoglobin 6171
- Libigula intestinalis*,
 Parasites: Turkey, Elazig 7468
- Ligumia subrostrata*,
 Blood 10457
 Osmoregulation 3938, 10457
 Serological studies 3938, 10457
 Sperm 2627
- Liljeborgiidae*,
 Taxonomy New species: ASE, Mediterranean 214
- Limanda limanda*,
 Balance organs 8327
 Cytology 8327
 Ultrastructure Pancreas 1502
- Limanda yokohamae*,
 Artificial fecundation 11176
 Hormones 11176
 Sexual maturity 11176
- Limapontia capitata*,
 Food composition 6497
 Growth 6497
- Limapontiidae*,
 Morphology (organisms): ANE, British Isles 2616
- Limatula*,
 New species: ANE, Jan Mayen 11590
- Limnaea stagnalis*,
 Development 3945
 Environmental effects 3945
- Limnanthes alba*,
 Oils 13885
- Limnanthes douglasii*,
 Oils 13886
- Limnesia inga*,
 New species: Australia 1479
- Limnesia maceripalpis*,
 New species: Australia 1479
- Limnocalanus macrurus*,
 Toxicity 7621
- Limnodrilus hoffmeisteri*,
 Cells 8163
 Dissolved oxygen Vertical distribution 360
 Sperm 8163
 X-rays 8163
- Limnohalacarus lanae*,
 Freshwater lakes: Java, Ranu Lamongan 9330
 New species: Java, Ranu Lamongan 9330
- Limnoperna fortunei*,
 Fouling organisms Reservoirs: Hong Kong 792
- Limnothrissa*,
 Behaviour: Tanzania 13325
 Size distribution: Tanzania 13325
- Limulus*,
 Behaviour 10497
 Biochemistry 2919
 Eyes 2919, 11696
 Light effects 11696
 Morphology (organisms) 10497
 Muscular system 9306
 Nervous system 10496, 11692, 11696
 Nervous systems 4985

Physiology 11696
 Pigments 2919
 Pressure effects 10497
 Respiratory organs 10496, 11692
 Stimuli 10497

***Limulus polyphemus*,**

Bacterial diseases 6070
 Blood 12912
 Dissolved oxygen 12912
 Eyes 10514
 Eyes Cytology 2671
 Haematology 12912
 Hormones 3549
 Light effects 10514
 Medical products 3549
 Nervous system Physiology 232
 Nervous system Respiration 232
 Oogenesis 10395
 Poisons (biological) 6070
 Serological studies 2719
 Ultrastructure 10514
 Vision 12726

***Linacina*,**

Freezing: PS, Antarctica 9576

***Linckia*,**

Coral reefs: ISEW, Guam 11560
 Morphology (organisms): ISEW, Guam 11560
 Polymorphism: ISEW, Guam 11560

***Linckia laevigata*,**

Toxicity 3351

***Lineus*,**

Brain 7167
 Endocrine glands 7167

***Lingula unguis*,**

Digestive system Physiology 179

***Linulus*,**

Calcium Photoreceptors 1464

***Lioglossina punctata*,**

Taxonomy: ISW 11734

***Lipotes vexillifer*,**

Anatomy 4041
 Conservation: China, People's Rep., Tung Ting L. 13518
 Research programmes: China, People's Rep., Tung Ting L. 13518
 Surveys: China, People's Rep., Tung Ting L. 13518
 Taxonomy 4041

***Lissomyema exilii*,**

New records: ASW, Brazil, Ilha Grande 4811

***Lithobius*,**

Taxonomy 6153

***Lithodomus lithophaga*,**

Biochemistry 4929
 Glands 4929
 Secretory products 4929

***Lithostrotion*,**

Skeleton 5899

***Lithostrotion martini*,**

Annual variations 5899
 Environmental factors 5899
 Growth rate 5899

***Lithothamnium*,**

Sediments 6468

***Litophyton viridis*,**

Biochemical analysis 1376

***Litoria*,**

Population genetics: Australia, Victoria 13338
 Vocal behaviour: Australia, Victoria 13338

***Litoria aurea*,**

Taxonomy: Australia, New South Wales 2843

***Litoria ewingi*,**

Hybridization: Australia, Victoria 13338

***Litoritia paraewingi*,**

Hybridization: Australia, Victoria 13338

***Littorella uniflora*,**

Bioaccumulation: Denmark, Lakes 4668

***Littorelletea*,**

Vegetation cover: Iceland 2489
 Vegetation cover: Norway 2489

***Littorina*,**

Chemical composition: ANE, British Isles 9266
 Energy budgets: ANE, British Isles 9266
 Environmental effects: ANW, British Isles 12149
 Larvae: ANE, British Isles 9266
 Life cycle: PSW, Chile, Valparaiso 1409
 Morphology (organisms): ANW, British Isles 12149
 Predation: ANW, British Isles 12149
 Sexual maturity: PSW, Chile, Valparaiso 1409
 Shells: ANW, British Isles 12149

***Littorina littorea*,**

Abnormalities: ANW, USA, Maine, Deer Isle, Northwest Harbor 10434
 Abundance: ANW, USA, Connecticut 7606
 Competitive behaviour: ANW, USA, Connecticut 7606
 Growth: ANE, France 8611
 Population structure: ANE, France 8611
 Temperature effects 2645
 Tentacles: ANW, USA, Maine, Deer Isle, Northwest Harbor 10434

***Littorina neritoides*,**

Pollution effects: ANE, British Isles 3309

***Littorina saxatilis*,**

Carbohydrates 10875
 Colour 5318
 Horizontal distribution 5318
 Metabolism 10875
 Predation 4250

***Littorina scutulata*,**

Environmental effects: INE, USA, California 5161
 Size distribution: INE, USA, California 5161

***Littorina sitkana*,**

Physiology 12861
 Spermatogenesis 12861

***Littorina squalida*,**

- polymorphism: INW, Busset Lagoon 12052
 population genetics: INW, Busset Lagoon 12052
 subpopulations: INW, Busset Lagoon 12052
Astotinidae,
 age composition 11949
 growth 11949
 taxonomy: ISW, Australia, South Australia 11615
Aurata,
 growth rate 6827
Auramada,
 osmoregulation 6321
 parasites 6029
 reproductive organs 6321
Belia dortmanna,
 bioaccumulation: Denmark, Lakes 4668
Bodon carcinophagus,
 chemical composition 11829
 length-weight relationships 11829
Bophytum pauciflorum,
 biochemistry 8191
 guts 8191
Botes surinamensis,
 life cycle Length-weight relationships: ANW, USA,
 North Carolina 2745
Coligo,
 biochemistry 6114, 6115
 bioluminescence 7414
 electrical conductance 2644
 enzymes 6114, 6115
 light effects 7414
 muscular system 6114, 6115
 nerves 2644
 terminology 11622
Coligo chinensis,
 terminology 11622
Coligo opalescens,
 fish catch statistics: INE, USA, California 10044
 fishery economics: INE, USA, California 10044
 fishery surveys: INE, USA, California 4477
Coligo pealei,
 enzymes 6764
 inhibitors 6764
 toxicants 6764
 vision 12726
Coligo vulgaris,
 amino acids 2459
 canned products: Spain 10064
 enzymes 2459, 10456
 locomotion 10456
 metabolism 10456
Coligonidae,
 keys: INW, Japan 12848
 taxonomy: INW, Japan 12848
Colliguncula brevis,
 mechanical stimuli 6101
 ontogeny 2643
 sense organs 6101
Longusorbis cuniculosus,
 Fossils: Canada, British Columbia 2669
 New species: Canada, British Columbia 2669
Lontra felina,
 Nature conservation: PSW, Chile 11153
 Nature conservation: USA 11153
Lopadorhynchus indica,
 Morphology: ISW 10377
 New species: ISW 10377
Lophius piscatorius,
 Canned products: Spain 10064
 Canning: Spain 10064
 Catch effort: PSW, South West Africa 11227
Lophotaspis orientalis,
 Parasites 1763
Lorica,
 Terminology 4878
Lota lota,
 Fishery surveys: USA, Minnesota, Lake of the
 Woods 4502
 Life cycle: USA, Minnesota, Lake of the Woods 4502
 Parasites Parasite control: Austria,
 Salzkammergut 1802
 Population parameters: USA, Minnesota, Lake of the
 Woods 4502
Lovenia elongata,
 Avoidance behaviour: ISW, Aqaba Gulf 11934
 Life cycle: ISW, Aqaba Gulf 11934
 Locomotion: ISW, Aqaba Gulf 11934
 Sediment structure: ISW, Aqaba Gulf 11934
Loxechinus albus,
 Biometrics Size distribution: PSW, Chile, Valparaíso
 Bay 1815
Loxorhynchus crispatus,
 Protective behaviour 2960
Lucapina,
 Taxonomy: ISE, Chile 6089
 Taxonomy: PSW, Chile 6089
Lucifer,
 Abundance: ASW, Brazil 4184
 Nutrients (mineral): ASW, Brazil 4184
 Salinity effects: ASW, Brazil 4184
Lucilia bufonivora,
 Abundance: Poland, Inland waters 4161
 Parasites: Poland, Inland waters 4161
Luciolates,
 Behaviour: Tanzania, Tanganyika L. 13325
 Net fishing: Tanzania, Tanganyika L. 13325
 Size distribution: Tanzania, Tanganyika L. 13325
Lucioperca lucioperca,
 Mortality causes: Poland, Goplo L. 4108
 Pollution effects 9880
 Population parameters: ASE, Azov Sea 12041
 Proteins 5671
Ludwigia adscendens,
 Habitat: Cameroon 11595

***Luidia ciliaris*,**

Osmoregulation 11586

Osmosis 11586

***Lulworthia*,**

Ecology: ASE, Mediterranean 9099

***Lumbricillus macrothecatus*,**

New species: ANE, Iceland 10385

***Lumbriculus*,**

Taxonomy 11548

***Lumbriculus olgae*,**

New species: USSR, Chuckchee Pen. 11548

***Lutjanidae*,**

Digestion: ASW, Cuba 5270

***Lutjanus sebae*,**

Hosts: ISEW, Arafura Sea 7202

***Lutjanidae*,**

Ageing methods 11816

Life cycle: ASW 11816

Otoliths: ASW 11816

Population parameters Biology: ASW, Jamaica 1489

Taxonomy 1489

***Lutjanus*,**

Electrophoresis: ASW, Brazil 2811

Proteins: ASW, Brazil 2811

***Lutjanus campechanus*,**

Commercial fishing: ASW, Mexico Gulf 4481

Fishery biology: ASW, Mexico Gulf 4481

Life cycle: ASW, Mexico Gulf 4481

***Lutjanus purpureus*,**

Fishery economics: ASW, Brazil 1068

Fishing effort Fishing mortality: ASW, Brazil 425

Growth Aging methods: ASW, Brazil 374

***Lutjanus synagris*,**

Alimentary organs: ASW, Brazil, Ceara 2756

Digestive glands: ASW, Brazil, Ceara 2756

Digestive system: ASW, Brazil, Ceara 2756

Food organisms Stomach content: ASW, Brazil, Ceara 1723

Oogenesis 11782

***Lutra canadensis*,**

Pollution effects: USA, Georgia, Suwannee R. 12224

***Lutra lutra*,**

Population dynamics: Germany, D.R. 8616

***Luvarus imperialis*,**

Taxonomy Morphology: ASW, Cuba 2770

***Lycaea nasuta*,**

Keys 11661

Morphology (organisms) 11661

Taxonomy 11661

***Lycaea pulex*,**

Development 11675

Morphology 11675

***Lychniscosa*,**

Morphology (organisms) 12806

***Lycodes sagittarius*,**

New species: PN 2783

Taxonomy: PN 2783

***Lycodes squamiventer*,**

Morphology 2783

***Lycoteuthis diadema*,**

New record: PSE, New Zealand 7369

***Lymnaea*,**

Embryology 11627

Parasites 7480

***Lymnaea emarginata*,**

Biological control 5410

***Lymnaea natalensis*,**

Hosts 7473

Temperature effects: South Africa, Transvaal 7194

***Lymnaea palustris*,**

Cytology 13284

Development 13283

Hosts 13283

Morphology (organisms): USA, New York 5309

Oxygen consumption 13285

Parasitic diseases 13284, 13285

Population genetics: USA, New York 5309

Temperature effects 13285

***Lymnaea stagnalis*,**

Anatomy 9244

Biochemistry 4886

Carbohydrates 7192, 7193

Eggs 9261

Embryos 2606

Environmental effects 5196

Enzymes 6126

Excretion 4931

Eyes 2647

Feeding 12865

Geographical distribution: USA, Michigan, Inland waters 5188

Glands 12865, 12866

Growth 12867

Growth regulators 12865, 12866

Histology Muscular systems 1405

Hormones 2647, 7193, 9261, 12865, 12866

Metabolism 4931

Morphology (organisms) 4904

Nervous systems 6126, 9244

Nitrogen 4931

Ontogeny 4904

Osmoregulation 7196

Pollutants 8746

Protective behaviour Electrolisis 2962

Reproduction 12866

Reproductive behaviour 12865

Reproductive organs 2606, 12867

Secretory products 12867

Shells 4886

Starvation 7192, 7193

Starvation Metabolism 1742

Taxis 5196

Temperature effects 5188, 7193

Ultrastructure 2647

***Lymnaea truncatula*,**

Geographical distribution: Portugal, Inland waters 5150

Population dynamics: Portugal, Inland waters 5150

Gymnaeidae,

Morphology (organisms): Poland 7177

Taxonomy: Poland 7177

Gymnata emarginata,

Pollution effects 12220

Temperature effects 12220

Toxicity 12220

Gyngbya,

Herbicides 6715

Pollution effects 6715

Toxicity 6715

Gyria mallicki,

Fossils: ISEW, New Caledonia 6087

New species: ISEW, New Caledonia 6087

Gyria santonensis,

Fossils: ISEW, New Caledonia 6087

New species: ISEW, New Caledonia 6087

Gyrodiscus skertchlyi,

Geographical distribution: British Isles, Suffolk,

Icklingham 12514

New species: British Isles, Suffolk, Icklingham 12514

Gysianassidae,

Community composition: PNW, Barents Sea 5153

Geographical distribution: PNW, Barents Sea 5153

Gysiosquilla occulta,

Embryos 11673

Growth 11673

Nervous system 11673

Gysmata amboinensis,

Taxonomy: INW, Japan 8264

Gysmata seticaudata,

Chromatophores 4970, 4998

Colour 4970, 4998

Circadian rhythms 4998

Environmental factors 13175

Larvae 4970, 4981, 4998

Rearing 4981

Reproduction: ASE, France, Banyuls-sur-mer 4979,

81 4980

Selenium 13175

Sex reversal: ASE, France, Banyuls-sur-mer 4980

Gysianassidae hirondeleea,

New species: INE, Aleutian Trench 3832

Gytechinus pictus,

Cells 6046

Electron microscopy Eggs 12817

Fertilization 1385

Glands 6046

Skin 6046

Gytechinus variegatus,

Population density: ASW, Jamaica, Kingston

Harbour 11970

Gyabuya,

Hybridization: ASW, Brazil, Sao Paulo 8447

Gyacandrevia africana,

New species Evolution: ASE, Angola 1832

Gyacandrevia bayeri,

New species Evolution: ASE, Angola 1832

Maccullochella,

Taxonomy: Australia, Murray-Darling R. 260

Macgeopsis sonorensis,

New species: Mexico 13954

Machrobrachium rosenbergii,

Hatcheries: Australia 3411

Shellfish culture: Australia 3411

Macoma,

Benthos: ASE, Spain, Vigo 13365

Communities: ASE, Spain, Vigo 13365

Genetics: INE, USA, Washington, San Juan Is. 4924

Marine ecology: ASE, Spain, Vigo 13365

Polymorphism: INE, USA, Washington, San Juan Is. 4924

Macoma balthica,

Behaviour 9570

Geographical distribution: ANE, North Sea 5767

Growth 9570

Indicator organisms 8773

Metabolism 9570

Oil pollution 8773

Palaeontology: ANE, North Sea 5767

Pollution effects 5488

Radioactive pollution 5507, 7645

Temperature effects 9570

Macoma nasuta,

Assimilation 5258

Biometrics 13235

Feeding 5258

Growth 13235

Habitat 13235

Sediments 5258

Statistical analysis 13235

Macrobiotus furciger,

Oxygen consumption: PSW, South Orkneys 6058

Macrobrachium,

Artificial spawning 11189

Fisheries Life cycle: Mexico 2055

Freshwater aquaculture 3410

Freshwater aquaculture: Philippines 13717

Invertebrate larvae 11189

Juveniles 13709

Life cycle 2055

Morphology (organisms): Andaman Isl. 2680

Morphology (organisms): Nicobar Isl. 2680

New records: Andaman Isl. 2680

New records: Nicobar Isl. 2680

Rearing 11189, 13709

Shellfish culture 3410, 11189, 13709

Shellfish culture: Philippines 13717

Shellfish culture Fisheries: Mexico 2055

Symposia: USA, Florida, St.Petersburg 3410

Macrobrachium dayanum,

Eggs 12908

Fecundity 12908

Size distribution 12908

Macrobrachium hendersodayanum,

Anatomy: India, Khanapur, Malaprabha R. 10484

Larvae: India, Khanapur, Malaprabha R. 10493

- Life cycle: India, Khanapur, Malaprabha R. 10493
 Metamorphosis: India, Khanapur, Malaprabha R. 10493
 Morphology (organisms): India, Khanapur, Malaprabha R. 10484
 Ontogeny: India, Khanapur, Malaprabha R. 10493
- Macrobrachium idella*,**
 Aquaculture 4464
 Larvae 4464
 Rearing 4464
- Macrobrachium lamarrei*,**
 Eggs 12908
 Fecundity 12908
 Size distribution 12908
- Macrobrachium malcolmsonii*,**
 Horizontal distribution Migrations: India, Godarari R. 2950
 Inland fisheries: India 13855
- Macrobrachium novaeollandiae*,**
 Larvae: ISW, Australia, Bisbane R. 11676
 Metamorphosis: ISW, Australia, Bisbane R. 11676
 Morphology (organisms): ISW, Australia, Bisbane R. 11676
 Ontogeny: ISW, Australia, Bisbane R. 11676
- Macrobrachium rosenbergii*,**
 Feeds 12379, 13733
 Freshwater aquaculture 6835
 Growth 13733
 Nutritional requirements 12379, 13733
 Rearing 6835, 13713
 Shellfish culture 13736
 Shellfish culture: USA, South Carolina 13714
- Macrobrachium tenellum*,**
 Development 13728
 Invertebrate larvae 13728
 Rearing 13728
- Macrochaeta australiensis*,**
 New records: PSE, Australia 9191
 New species: PSE, Australia 9191
- Macrochiridothea*,**
 Keys: ASW, Brazil 4945
 New records: ASW, Brazil 4945
 Taxonomy 4945
- Macrochiridothea marcusii*,**
 New species: ASW, Brazil 4945
- Macrocotyla*,**
 Taxonomy Morphology (organisms) 165
- Macrocotyla lewisi*,**
 New species: USA 165
- Macrocystis*,**
 Ecosystems: INE, USA, California 11726
 Epiphytes: PSW, Arauco G., Chivilingo 2945
 Habitat: INE, USA, California 11726
- Macrocystis integrifolia*,**
 Habitat: INE, USA, California, Monterey Bay 12842
- Macrocystis pyrifera*,**
 Aquaculture 6842
 Community composition 5384
- Food technology 6842
 Geographical distribution: World Oceans 13124
 Grazing 5384
 Introduced species: ANE, Europe 13124
 Life cycle 1290
 Plutonium Bioaccumulation 585
 Resource development 6842
 Seaweed culture: INE, USA, California 11725
 Succession 5383
- Macrodon ancylodon*,**
 Stomach content Seasonal variations: ASW, Brazil 383
- Macrognaethus aculeatum*,**
 Muscular systems Biochemistry 2840
 Muscular systems Respiration 2840
 Numerical analysis 10567
 Oxygen 10567
 Oxygen consumption 8398
 Respiration 8398
 Respiratory organs 10567
- Macrolabrum*,**
 New species: ISW 11668
- Macrophyta*,**
 Coastal erosion: ISW, India, Goa, Miramar 10957
 Community composition: Africa, Rudolf L. 9742
 Erosion control: ISW, India, Goa, Miramar 10957
 Littoral zone: Africa, Rudolf L. 9742
 Littoral zone: ISW, India, Goa, Miramar 10957
 Pollution effects: ASW, USA, Florida, Apalachee Bay 11094
- Macropipus puber*,**
 Electrophoresis 11687
 Immunology 11687
 Shells 11687
 Skin 11687
- Macropodus opercularis*,**
 Environmental effects 6457
 Life cycle 7230
 Social behaviour 6456, 6457
 Stimuli 6457
- Macrorhamphosidae*,**
 Vertical distribution: ANE 10542
- Macroseta rarisetis*,**
 New species: ANE, Norway 1362
- Macrostomida*,**
 Sense organs 3880
- Macrostomum amaniense*,**
 New species: Tanzania 10386
- Macrostomum baringoense*,**
 New species: Kenya 10386
- Macrostomum christinae*,**
 New species: Kenya 10386
- Macrostomum coxi*,**
 New species: Kenya 10386
- Macrostomum georgeense*,**
 New species: Uganda 10386
- Macrostomum nairobiense*,**
 New species: Kenya 10386

- Macrostomum reynoldsoni*,**
New species: Kenya 10386
- Macrostomum sinyae*,**
New species: Kenya 10386
- Macrostomum thingithuense*,**
New species: Kenya 10386
- Macroura*,**
Ecology: ISE, Columbia, Malpelo Isl. 2659
- Macrouridae*,**
Age composition: IN 7422
Growth: IN 7422
Growth rate: ANW 11948
Male reading: ANW 11948
- Macrouriformae*,**
Taxonomy: ISE, Chile 1494
- Macrourus berglax*,**
Abundance: ANW 12455
Geographical distribution: ANW 12455
Hosts: ANE, Reykjanes Ridge 11991
Lability 5678
Preservation (fishery products) 5678
Storage effects 5678
- Macrourus rupestris*,**
Hosts: ANE, Reykjanes Ridge 11991
- Macrozamia communis*,**
Symbionts 7103
- Macrozoarces americanus*,**
Fishery economics: USA, New England 11270
Marketing: USA, New England 11270
- Macruronus magellanicus*,**
Ageing methods 5232
Fishery surveys: PSW, Argentina 13765
Growth 5232
Sex ratio: PSW, Argentina 13765
Stock assessment: PSW, Argentina 13765
Stomach contents: PSW, Argentina 13765
- Macruropus pulchellus*,**
New species: ISE, Chile 1494
- Madracis mirabilis*,**
Coral reefs 8772
Ectoparasites 8772
Toxicity 8772
- Madreporaria*,**
Check lists: ISW, Mascarene Is. 6577
- Maedlerisphaera arabica*,**
Fossils: Iraq 13949
New species: Iraq 13949
- Maerocystis pyrifera*,**
Harvesting Yield: ISE, Mexico, Baja California 798
- Mahaira*,**
Fish catch statistics: A, Atlantic 13802
- Maja squinado*,**
Geographical distribution: ASE, Mediterranean 11884
Physiology: ASE 11884
Production: ASE, Mediterranean 11884
- Majidae*,**
Biological collections: ISEW, Philippines 7200
- Check lists: ISW 3090
Community composition: ISW 3090
Geographical distribution: I, Indo-Pacific 223
Geographical distribution: ISW 3090
Morphology (organisms): ISW 3090
New records: ISEW, Philippines 7200
Taxonomy: ISEW, Philippines 7200
Taxonomy Check lists: I, Indo-Pacific 223
- Makaira nigricans*,**
Bioaccumulation 11075
Mercury 11075
Pollution effects 11075
- Malaclemys terrapin*,**
Osmoregulation 13110
Salinity effects 13110
Skin 13110
Sodium 13110
- Malacoctenus macropus*,**
Symbiosis: ASW, West Indies 12137
- Malacoctenus triangulatus*,**
Morphology (organisms): ASW 2790
Taxonomy: ASW 2790
- Malacostraca*,**
Geographical distribution: ISW, Mascarene Isl., Reunion I. 2667
Taxonomy 2667
- Mallomonas*,**
New records: USSR, Volga R. 6403
- Mallomonas transsylvanica*,**
New species: Romania 5984
Taxonomy: Romania 5984
- Mallomonas trummensis*,**
New species: Sweden, Trummen L. 8101
Ultrastructure: Sweden, Trummen L. 8101
- Mallotus villosus*,**
Abundance: PNW, Barents Sea 11729, 11731
Age composition: PNW, Barents Sea 11729, 11731
Catch statistics: ANE, Norway 5636
Catch statistics: ANW, Canada, Newfoundland, Grand Banks 3461
Exploratory fishing: ANW, St. Lawrence Gulf 8845
Fish catch statistics: AN 2166
Fish catch statistics Fishery products 3494
Fish larvae: ANW, St. Lawrence Estuary 2169
Fisheries resources: PNW, Barents Sea 11729
Fisheries statistics: ANE, Norway 5636
Fishery surveys: ANE 10032
Fishery surveys: ANE, Norway 13865
Fishery surveys: ANW, Greenland 3435
Fishery surveys: PNW, Barents Sea 3434
Fishery surveys Seasonal variations: ANW, St. Lawrence Estuary 1820
Fishery surveys Seasonal variations: ANW, St. Lawrence Gulf 1820
Food composition 13251
Geographical distribution: PNW, Barents Sea 11729, 11730, 11731
Ichthyoplankton surveys: ANW, St. Lawrence Estuary 2169

Juveniles Fishery surveys: ANW, St.Lawrence
Estuary 1820

Juveniles Fishery surveys: ANW, St.Lawrence
Gulf 1820

Pelagic fisheries: ANW, Gand Banks 13773

Population dynamics: ANE, Norway 5636

Population dynamics: PNW, Barents Sea 3434

Population parameters: ANW, Gand Banks 13773

Quota regulations: AN 2166

Regional variations: ANE, Norway, Vardo 11728

Schooling behaviour: PNW, Barents Sea 11889

Sediment structure: ANE, Norway, Vardo 11728

Sex ratios: ANW, St.Lawrence Gulf 8845

Size distribution: ANW, St.Lawrence Gulf 8845

Spawning: ANE, Norway 11897

Spawning grounds: ANE, Norway 11897, 13865

Spawning grounds: ANE, Norway, Vardo 11728

Spawning migrations: PNW, Barents Sea 11730

Spawning seasons: ANW, Gand Banks 13773

Stock assessment: AN 2166

Stock assessment: PNW, Barents Sea 11731

Trawling: ANW, Canada, Newfoundland, Grand
Banks 3461

Vertical migrations: PNW, Barents Sea 11898

Water temperature: ANE, Norway, Vardo 11728

Mammalia,

Biological institutions: USA 6940

Cadmium 8374

Carrageenins 11257

Check lists: ANW, USA, Rhode Island 10659

Chemical analysis 11257

Conferences: Norway, Bergen 12540, 12552

Conservation 13848

Feeds 11257

Fisheries management 13847, 13848

Food conversion 11257

Marine ecology 6343

Research programmes Research institutions: USA 5

Resource conservation: World oceans 6351

Toxicity 9945

Manayunkia speciosa,

Geographical distribution: USA, New York, Cayuga
L. 8518

Mancinella keineri,

Biochemistry 8236

Chemical extraction 8236

Manningia andamanensis,

New species: ISW, Andaman Is. 1047

Mansariella lacustris,

New species: India, Jammu, Mansar L. 10375

Marasmiellus caespitosus,

Morphology (organisms): ANE, Netherlands 7077

Marcusenius,

Larvae Electric organs 2821

Margaritifera margaritifera,

New records: Norway 6411

Marginella spryi,

Taxonomy 2604

Terminology: ISW 2615

Margrethia obtusirostra,

Geographical distribution 11740

Taxonomy Morphology (organisms) Meristic counts:
AS 11740

Taxonomy Morphology (organisms) Meristic counts:
ISE 11740

Taxonomy Morphology (organisms) Meristic counts:
ISEW 11740

Taxonomy Morphology (organisms) Meristic counts:
ISW 11740

Marinogammarus marinus,

Salinity tolerance 6449

Marionina achaeta,

Metabolism 8182

Osmoregulation 8182

Salinity tolerance 8182

Marisa cornuarietis,

Aquariology 10426

Biological control: World subtropical regions 10426

Disease control: Egypt, Arab.Rep. 5542

Filtration 11640

Life cycle: World subtropical regions 10426

Predation 5542

Ultrastructure 11640

Marriotta releighana,

Morphology (organisms): PSE, New Zealand 1519

Marstoniopsis,

Taxonomy 4893

Marteilia,

Parasites: ISEW, Australia 7462

Marteilia refringens,

Reproduction 6039

Taxonomy 6039

Marteilia sydneyi,

Parasites: PSE, Australia, New South Wales 7462

Martesia striata,

Boring organisms 9962

Development 9962

Larvae 9962

Marthasterias glacialis,

Chemoreception 9622

Feeding behaviour 9622

Mastacembelus pancalus,

Abnormalities 1531

Mastogloia,

Ultrastructure Morphology (organisms): ISE,
Tahiti 2507

Mastogloia gregorii,

Taxonomy: ISE, Tahiti 3068

Mastogloia punctatissima,

Taxonomy: ISE, Tahiti 3068

Matuta lunaris,

Anatomy 11989

Feeding 11989

Food composition 11989

Locomotion 11989

- Meadia abyssale*,
Morphology Taxonomy: ISW 1499
- Megactenopetalus kaibabanus*,
Geographical distribution: USA 11756
Morphology (organisms) 11756
- Megalops*,
Inland fisheries: India 13855
- Megaloptera*,
Life cycle: British Isles, Severn R. 8317
Thermal pollution: British Isles, Severn R. 8317
- Meganyctiphanes norvegica*,
Bioaccumulation 11090
Radioisotopes 11090
- Megatesbennus bimaculatus*,
Digestive system 2628
Morphology (organisms) 2628
- Megathura crenulata*,
Chemical composition 7184
Eggs 7184, 7185
Enzymes 7185
Reproduction 7185
- Meinertia oestroides*,
Biochemistry 6512
Parasites 6512
- Meiosquilla barnardi*,
New species: PSW, South Africa Rep. 1427
- Melamphidae*,
Check lists: INW 5013
Check lists: ISEW 5013
- Melampus bidentatus*,
Community composition: USA, Delaware 9940
- Melanodytes pustulatus*,
Larvae Morphology (organisms) 1471
- Melanogrammus*,
Fisheries data: ANE, British Isles, Scotland 5642
Fisheries resources: ANE, British Isles, Scotland 5642
- Melanogrammus aeglefinus*,
Fish conversion 6885
Fisheries data: ANE 6873
Fishery surveys: ANE 10032
Hosts: ANE, North Sea 13291
Population structure: ANE, Norwegian Basin 12017
Population structure: PNW, Barents Sea 12017
Salinity effects 9577
Sex ratios: PNW, Barents Sea 12018
Size distribution: PNW, Barents Sea 12016
Statistical analysis: ANE, North Sea 12449
Storage 13924
Storage effects 13924
Temperature effects 9577
- Melanostomiidae*,
Check lists: INW 5013
Check lists: INW, Kuroshio Current 11747
Check lists: ISEW 5013
Taxonomy: INW, Kuroshio Current 11747
- Melibe leonina*,
Biology: INE, USA, California, Monterey Bay 12842
- Mellita grantii*,
Marine ecology: ISE, California Gulf 5295
- Mellita zeylanica*,
Population structure: India, Veli L. 6537
Sex ratios: India, Veli L. 6537
- Melosira*,
Cells 7090
Electron microscopy 7090
Evolution 7090
Morphology (organisms) 7090
Taxonomy 5968
- Melosira binderana*,
Eutrophication Primary production: America, Ontario L. 1843
Growth Temperature effects: Canada, Ontario L. 9605
Plankton Growth: Canada, Ontario L. 9605
- Melosira italica*,
Growth: Brazil 9610
- Melosira mummuloides*,
Morphology (organisms) 5968
- Melosira varians*,
Cell division 5988
Mitosis 5988
- Menidia*,
Genetics 10595
Population genetics 10595
Taxonomy 10595
- Menidia audens*,
Biomass: USA, Texas, Texoma L. 10592
Diurnal rhythm: USA, California, Clear L. 13181
Feeding behaviour: USA, California, Clear L. 13181
Fish larvae: USA, Texas, Texoma L. 10592
Light effects: USA, California, Clear L. 13181
Reproduction: USA, Texas, Texoma L. 10592
- Menidia menidia*,
Artificial spawning 12361
Chlorine 7695
Electrophoresis: ANW 10624
Fish culture 12361
Genetics: ANW 10624
Muscular system 10624
Oil pollution Pollution effects 615
Proteins 10624
Rearing 12361
Subpopulation: ANW 10624
Temperature effects 10652
Temperature tolerance 7695
- Menippe mercenaria*,
Fishery biology: ASW, USA, Florida 10876
Landing statistics: ASW, USA, Florida 10876
Shellfish fisheries: ASW, USA, Florida 10876
- Mercenaria mercenaria*,
Abundance: ANW, USA, South Carolina 11604
Ammonia 11646
Bioaccumulation 7669
Biochemistry 8231
Circadian rhythm 6472
Community composition: ANW, USA, South Carolina 11604

Controlled conditions 6472
 Cytology 10464
 Dissolved oxygen 11642
 Ecosystems 7669
 Environmental effects 5198
 Enzymes 6118, 6122, 10464
 Estuaries: ANW, USA, South Carolina 11604
 Excretion 11646
 Feeding 7714
 Growth rate 6472
 Immunology 8231
 Irradiation 6705
 Larvae 5198
 Lethal limits 9889
 Locomotion 11642
 Marine aquaculture 13721
 Metabolism 7714
 Metabolism: ANW, USA, Rhode Is. 2652
 Nutrients (mineral) 9889
 Oil pollution: ANW, USA, Rhode Is. 2652
 Oil pollution Bioassays : ANW, USA, Massachusetts 516
 Oil pollution Bioassays : ANW, USA, Rhode Island 516
 Oil pollution Chromatographic techniques: ANW, USA, Massachusetts 516
 Oil pollution Chromatographic techniques: ANW, USA, Rhode Island 516
 PCB 7669
 Pollution effects 7714
 Red tides Chemical analysis: ANW, USA, Massachusetts 751
 Red tides Poisons (biological): ANW, USA, Massachusetts 751
 Shellfish culture 13721
 Shells 6472
 Temperature effects 11642
 Thermal pollution 629
 Thermal pollution Pollution effects: ANW, USA, New Jersey, Barnegat Bay 645
 Toxicity 9889
 Water temperature Larvae 629
 Water temperature Tolerance 629

***Mercierella enigmatica*,**

Succession: ANE, Netherlands, Delta Area 6391

***Meretrix casta*,**

Growth: ISW, India 4132
 Length-weight relationships: ISW, India 4132

***Meretrix meretrix*,**

Bioaccumulation 13450
 Environmental factors 8192
 Excretion 13450
 Filter feeders 8192
 Radioactive pollution 13450
 Ruthenium 13450

***Mergus merganser*,**

Predation: Sweden, Moeckeln L. 11830

***Merlangius merlangus*,**

Histology 6214
 Histology: ANE, Isle of Man 7470
 Migrations: ANE, North Sea 13854

Parasites: ANE, Isle of Man 7470

Skin 6214

Stock assessment: ANE, North Sea 13854

Tagging: ANE, North Sea 13854

***Merluccius*,**

Catch effort: ASE, African coast 13814
 Catch effort: PSW, African coast 13814
 Catch effort: PSW, South West Africa 11227
 Fish catch statistics: PSW, Southern African Coast 11240
 Fish catch statistics Processing fishery products: PSW, South Africa 3492
 Fishing mortality: PSW, South West Africa 11241
 Ichthyoplankton: PSW, South West Africa 11246
 Ichthyoplankton: PSW, Southern Africa coast 11247
 Landing statistics: ASE, African coast 13814
 Landing statistics: PSW, African coast 13814
 Spawning grounds: PSW, Southern Africa coast 11247
 Spawning seasons: PSW, South West Africa 11246
 Spawning seasons: PSW, Southern Africa coast 11247
 Stock assessment: ISE, California Gulf 7841
 Stock assessment: PSW, South West Africa 11241

***Merluccius bilinearis*,**

Age distribution: ANW, Scotian Shelf 12431
 Coring 3523
 Fish catch statistics: ANW, Scotian Shelf 12431
 Freezing Storage 2188
 Size distribution: ANW, Scotian Shelf 12431

***Merluccius capensis*,**

Fishery biology: ASE, South East Atlantic 10808
 Fishery biology: PSW, South West Africa 10887
 Growth: PSW, South Africa 10807
 Growth: PSW, South West Africa 10805
 Growth: PSW, Southern African Coasts 11242
 Length-weight relationships: PSW, South West Africa 10887
 Otolith reading: PSW, South Africa 10807
 Overfishing: PSW, South African Coast 11248
 Quota regulations: PSW, South West Africa 11243
 Recruitment: PSW, Southern African Coasts 11242
 Sexual maturity: PSW, South West Africa 10887
 Size distribution: PSW, South West Africa 10887
 Stock assessment: PSW, South Africa 11245
 Stock assessment: PSW, South West Africa 11243, 11244, 13850
 Stock assessment: PSW, Southern African Coasts 11242
 Yield: PSW, South African Coast 11248

***Merluccius gayi*,**

Histology Digestive system 1496
 Marketing Fishery products: Peru 3579
 Organoleptic properties 5706
 Quality control 5706
 Skeleton Anatomy 1495

***Merluccius gayi peruuanus*,**

Coring 12481
 Dessication 12481
 Fishery products 12481
 Freezing 12481
 Preservation (fishery products) 12481

- Merluccius hubbsi*,**
 Fishery biology: PSW, Argentina 5659
 Gear selectivity: PSW, Argentina 12322
 Field: PSW, Argentina 12322
- Merluccius merluccius*,**
 Age composition: ASE, Spain 6871
 ometrics: ASE, Tunisia 7487
 atch effort: ASE, Biscay Bay 13767
 electrophoresis 13058
 xploratory fishing: ASE, Biscay Bay 13767
 sh catch statistics: PSW, South Africa 4504
 sheries resources: ASE, Spain 4471
 shery surveys: ASE, Biscay Bay 13768
 shery surveys: ASE, Spain 4471
 od organisms: ASE, Adriatic 13239
 eezing storage 5692
 ear selectivity 13567
 ear selectivity: ASE, Spain, Galicia 12332
 ear selectivity Experimental fishing: ASE, Spain,
 Galicia 3385
 sh regulations 13567
 sh regulations: PSW, South Africa 4504
 ursorry grounds: ASE, Biscay Bay 13768
 ceanodromous mig rations: ASE, Tunisia 7487
 upulation dynamics: ASE, Spain 6871
 reservation (fishery products) 5692
 roproduction: ASE, Tunisia 7487
 esource conservation: ASE, Biscay Bay 13767, 13768
 ux ratios: ASE, Tunisia 7487
 ize distribution: ASE, Tunisia 7487
 ize distribution: PSW, Argentina 6846
 ock assessment: ASE, Spain 6871
 ock assessment: PSW, Argentina 6789
 opopulation 13058
 ertical distribution: ASE, Tunisia 7487
 eld: ASE, Biscay Bay 13768
- Merluccius paradoxus*,**
 rowth: PSW, Southern African Coasts 11242
 iverfishing: PSW, South African Coast 11248
 icroitment: PSW, Southern African Coasts 11242
 ock assessment: PSW, South West Africa 11244,
 13850
 ock assessment: PSW, Southern African Coasts 11242
 eld: PSW, South African Coast 11248
- Merluccius productus*,**
 rocessing fishery products Resource development: INE,
 USA 3493
- Mermitidae*,**
 ew records: USA, South Carolina 10866
- Merteniella caucasica*,**
 ands 6368
 mperature effects 6368
- Mesidotea entomon*,**
 eographical distribution: ANE, Baltic 9538
 e distribution: ANE, Baltic 9538
- Mesocletodes*,**
 ontinental shelf: ASE, Lyon Gulf 4972
 ew species: ASE, Lyon Gulf 4972
- Mesocyclops leuckarti*,**
 Hosts: India, Delhi, Inland waters 13286
- Mesodesma arctatum*,**
 Morphology (organisms) 7182
- Mesodesma mactroides*,**
 Fats: PSW, Argentina, Buenos Aires 9265
- Mesogomphus lineatus*,**
 Feeding 11974
 Predation 11974
- Mesoplodon densirostris*,**
 Geographical distribution: ISW, Mauritius 13155
- Mesothamnion boergeseni*,**
 New records: ANW, USA, North Carolina 10714
- Mesovelvia halirrhyta*,**
 New species Taxonomy: ISE, Costa Rica 1477
- Mesovelvia mulsanti*,**
 Development 12932
 Polymorphism 12932
 Temperature effects 12932
- Mesozoa*,**
 Osmoregulation 4933
 Symbiosis 4933
- Metacnephia amphora*,**
 Larvae New species 245
 New species: British Isles 245
 Taxonomy New species: British Isles 245
- Metalinhomoeus torosus*,**
 New species: ASW, Bermuda, Tucker's Town
 Cove 11564
- Metanephrops challengeri*,**
 Development: PSE, New Zealand 8276
- Metapenaeus bennettiae*,**
 Food organisms 10841, 10841
- Metapenaeus ensis*,**
 Rearing: French Polynesia 3419
 Seed (aquaculture): French Polynesia 3419
- Metapenaeus macleayi*,**
 Fishery management: PSE, Australia, New South
 Wales 5648
- Metapenaeus monoceros*,**
 Enzymes 12918
 Inhibitors 12918
 Phenols 12918
 Shellfish culture: Philippines 13731
- Metapenaeus stebbingi*,**
 Development 6160
 Morphology (organisms) 6160
 Reproductive organs 6160
- Metarrhizium*,**
 Fungal diseases Biological control 784
- Metarrhizium anisopliae*,**
 Fungal diseases: USSR, Kazakhstan 6528
- Metaxymolgus echinasteris*,**
 New species: ISEW, New Caledonia 11669
- Metazoa*,**
 Check lists: Israel, Nahal Soreq 4364

Evolution 10895

Indicator organisms: Israel, Nahal Soreq 4364

Pollution effects: Israel, Nahal Soreq 4364

***Methanobacterium thermoautotrophicum*,**

Inhibitors 12695

Nitrites 12695

Salt marshes 12695

Sediment analysis 12695

***Miamira sinuata*,**

Colour: INW, Japan 2631

Taxonomy: INW, Japan 2631

***Micrasema*,**

Life cycle Feeding behaviour: France 1466

***Micrasterias americana*,**

Cytology 8108, 8127

Development 8108

Enzymes 8127

***Micrasterias denticulata*,**

Biochemistry 11489

Cytology 11489

***Microchirus variegatus*,**

Growth: ASE, Biscay Bay 9612

***Microciona prolifera*,**

Acids 9218

Chemical analysis 9218

Disease control 2998

Fats 9218

***Microcystis aeruginosa*,**

Buoyancy 5171

Diurnal rhythm Algal blooms: Japan, Suwa L. 1670

Migrations: British Isles, England. Rostherne

Mere 5171

***Microcystis littoralis*,**

Ion accumulation 3855

***Microgadus tomcod*,**

Population structure: ANW, Canada, Chaleurs

Bay 7489

Population structure: ANW, St. Lawrence Estuary 7489

***Microgobius signatus*,**

Anatomy Taxonomy 261

Skeleton 261

***Microgobius thalassinus*,**

Geographical distribution Salinity effects: ANW, USA, Virginia, York R. 1677

***Microgrammia biportalis*,**

New species: ASW, USA, Alabama, Mobile Bay 161

***Microjassa cumbriensis*,**

Developmental stages: ASE, Mediterranean 213

***Micromesistius australis*,**

Allopatric populations: PSE 12046

Allopatric populations: PSW 12046

Subpopulation: PSE 12046

Subpopulation: PSW 12046

***Micromesistius poutassou*,**

Canned products: Spain 10066

Echo surveys: ANE, British Isles 6872

Fisheries resources: ANE 8858

Fisheries resources: British Isles 12492

Fishery surveys: ANE, British Isles 6872

Frozen products: Spain 10066

Marketing: British Isles 12492

Processing fishery products 8858

Stock assessment: ANE, British Isles 6872

***Microphallus brevisatus* 72 *Hydrobia ventrosa*,**

Life cycle: ASE, France 8138

New species: ASE, France 8138

***Microphallus similis*,**

Carbohydrates 10875

Metabolism 10875

Parasites 10875

***Micropogon furnieri*,**

Seasonal variations Stomach content: ASW, Brazil 3833

***Micropolycythrum parvum*,**

Parasites New species: ASW, USA, Florida 1762

***Micropterus dolomieu*,**

Biochemistry 6306

Enzymes 6306

Fisheries data: USA, Idaho, Snake R. 13857

Herbicides 5496

Hosts 7131

Pollution effects 5496

***Micropterus salmoides*,**

Age composition: USA, West Virginia, Moncove L. 5238

Bibliographies: USA, Minnesota 1486

Biochemistry 10621

Environmental effects 10739

Fish culture: USA, Illinois 13638

Freshwater ecology: USA, Minnesota 1486

Growth rate: USA, West Virginia, Moncove L. 5238

Length-weight relationships: USA, West Virginia, Moncove L. 5238

Liver 10621

Migrations 10739

Pollution effects: USA, Georgia, Suwannee R. 12224

Sonic tags 10739

Thermoregulation 7322, 13013

***Microschemobrycon meyburi*,**

Morphology: Brazil, Xeriuini R. 5036

New species: Brazil, Xeriuini R. 5036

***Microsomonas pusilla*,**

Viruses: INE, USA, Washington 9663

***Microstomus pacificus*,**

Bioaccumulation: INE, USA, California 13460

DDT PCB: INE, USA, California 600

Diseases: INE, USA, California 7484

Diseases Fins: INE, USA, California 396

Diseases Heavy metals: INE, USA, California 400

Diseases Microorganisms: INE, USA, California 397

Diseases Mucus 401

Growth rate: INE, USA, California 7433

Growth rate Diseases: INE, USA, California 399

Length-weight relationships: INE, USA, California 7433

olution effects: INE, USA, California 7433, 13460
 olution effects Diseases 398
 onours: INE, USA, California 396
erotendipes rydalenis,
 orphology (organisms) 6180
 onomy 6180
erothamnion kuetzingianum,
 ia 9597
 omotion 9597
 res 9597
eroturbellaria,
 ology: Kenya 10724
 eographical distribution: Kenya 10724
 w records: Kenya 10724
erovibrio,
 w water 7074
olepora complanata,
 wth rate: ASW, Jamaica 10814
 nt effects: ASW, Jamaica 10814
omocalanus brodskii,
 y species: ASE, Mediterranean 4968
omocalanus distinctocephalus,
 uth parts 4968
olichinia,
 asites: France, Inland waters 3024
 onomy: ANW, USA, Virginia 10863
olichinia nelsoni,
 eases 10864
ex,
 raccumulation 7593
 d chains 7593
ounga angustirostris,
 iressive behaviour 8539
 esthesia 4056
 emical stimuli 4056
ounga leonina,
 ring 6840
ogurnus anguillicaudatus,
 ymes 4014
 aenesis 4014
ogurnus fossilis,
 ichemistry 9397, 9447
 s 9447
 obryos 2813, 9498
 ymes 2813, 5097, 9397, 9447
 etics 9397
 oabolism 2813, 5097, 9447
 ohodology 9498
 ogy 9397, 9498
 aenesis 2813
 erature effects 9498
ogurnus mizolepis,
 ymes 9446
olichthys luzonensis,
 eries resources: ISEW, Philippines 6792
ohrodia gigas,
 orphology (organisms): ISW, Malagasy Rep. 1344

Mitra idae,
 Development: INE, USA, California 6105
 Spawning: INE, USA, California 6105
Mitridae,
 Abundance: ISE, Hawaii, Oahu I. 10437
 Check lists: ISE, Hawaii, Oahu I. 10437
 Taxonomy: ISE, Hawaii, Oahu I. 10437
 Terminology: ISE, Hawaii, Oahu I. 10437
Mnemiopsis leidyi,
 Cell division 9200
 Genetics 9200
 Geographical distribution: ANW, USA, Virginia, York
 R. 10993
 Ontogeny 9200
 Predation: ANW, USA, Virginia, York R. 10993
Modiolus demissus,
 Anaerobic respiration 2650
 Bioaccumulation 12288
 Enzymes 9264
 Freezing 2651
 Pesticides 12288
 Poisons (biological) 12288
 Temperature effects Salinity effects 2651
Modiolus modiolus,
 Aerobic respiration 12862
 Development 12852
 Larvae 12852
 Oxygen consumption 12862
 Population structure 9667
 Respiratory organs 12862
Moelleria antarctica,
 New species 4769
 Nomenclature 4769
 Taxonomy 4769
Moina micrura,
 Development 3971
 Eggs 3971
Molgula impura,
 Embryology 4052
 Ontogeny 4052
Molgula manhattensis,
 DNA Gametes 1587
Mollienesia latipinna,
 Cells 10550
 Pituitary gland 10550
Mollusca,
 Abundance: Guatemala, Lago De Peten 12112
 Ageing methods 11963
 Amino acids 12719
 Amino acids: India, Kakinada 12723
 Amino acids Metabolism 2650
 Anaesthesia 11434
 Anatomy 12847
 Anoxic conditions 6177
 Bathyal zone: ASE, Taranto Gulf 8642
 Beaches: INW, Korea Rep. 5911
 Benthos: ANE, Norway 1641
 Benthos: ASE, Elba Isl. 4220
 Benthos: INW, Japan, Hachijo I., Kurose 2639

- Bioaccumulation 5477, 12213
 Bioaccumulation: PSE, New Zealand 7673
 BioaccumulationSediments 3216
 Biochemistry 10461
 Biocoenoses: ASE, Sicily, Acitrezza 11600
 Biogeography: Guadeloupe 11876
 Biogeography: Mexico 13954
 Biogeography: Thailand 12845
 Biological collections 11593
 Biological surveys: Norway 6411
 Carbonates: INW, Korea Rep. 5911
 Check lists: ANE, Jan Mayen 11590
 Check lists: ASE, Ascension Is. 2624
 Check lists: ASW, Brazil 1616
 Check lists: British Isles 11606
 Check lists: INW, Japan, Izu I. 2926
 Check lists: ISW, Bangladesh 6084
 Check lists: Nigeria 5765
 Check lists: PSW, South Africa 6088
 Check lists: USA, New York State 5385
 Chemical composition 6436
 Chemical structure 10461
 Community composition 5552, 7774
 Community composition: ANE, British Isles, Liverpool Bay 11594
 Community composition: ANW, Canada, Iles-de-la-Madeleine 8649
 Community composition: ASE, Sicily, Acitrezza 11600
 Community composition: ASE, Taranto Gulf 8642
 Community composition: British Isles, Suffolk, Icklingham 12514
 Community composition: Canada, Quebec, Gatineau Park 5362
 Community composition: Guatemala, Lago De Peten 12112
 Community composition: Hungary 5408
 Community composition: INW, Japan, Mutsu Bay 10425
 Community composition: ISE, French Polynesia 5382
 Community composition: USA, Louisiana, Maurepas L. 4090
 Community composition: USA, Louisiana, Pontchartrain L. 4090
 Conferences: London 12556
 Conferences Genetics 29
 Coral reefs: ISE, French Polynesia 5382
 Coral reefs: ISW, Mauritius 6578
 Degradation Muscular system 2200
 Dispersion 13163
 Diversity index: ANE, British Isles, Liverpool Bay 11594
 Drift organisms 13163
 Enzymes 6177
 Evolution 12719
 Evolution: Hungary 5766
 Excretion 12860
 Faecal pellets: ASW, USA, Georgia, Sapelo I. 11000
 Fixation 11434
 Fossils 11647
 Fossils: ANW, USA 4176
 Fossils: ASW, USA 4176
 Fouling organisms 5552
 Freezing: ANE, Germany F.R. 11915
 Geographical distribution: ASE 7375
 Geographical distribution: ASE, Ascension Is. 2624
 Geographical distribution: ASE, Cyprus 12840
 Geographical distribution: ASW, France, Arcachon 5135
 Geographical distribution: Austria, Keutschach L. Valley 1392
 Geographical distribution: British Isles, Cambridgeshire, Great Ouse R. 8612
 Geographical distribution: Guadeloupe 11876
 Geographical distribution: Norway 6411
 Geographical distribution: Windward Is., Grenada 2894
 Growth rate 11963
 Habitat: ASE, Sicily, Acitrezza 11600
 Haematology 12719
 Heavy metals: PSE, New Zealand 7673
 Histology 12860
 History 6930
 Horizontal distribution: ASE, Tunisia 11602
 Horizontal distribution: ISW, Mauritius 6578
 Hosts: North America 11559
 Hygiene 7882
 Immunology 12859
 Irradiation 13910
 Kidney 12860
 Lagoons: ASE, Tunisia 11602
 Larvae 4879, 13163
 Larvae: PSW, South Africa Rep. 10100
 Lethal limits 5497
 Life cycle: British Isles, Worcester-Birmingham Canal 7176
 Littoral zone: ASE, Sicily, Acitrezza 11600
 Littoral zone: ISW, Mauritius 6578
 Mercury: ASE, Mediterranean 6679
 Metals 12213
 Methodology 4733, 5385
 Microbial contamination: ANW, Canada 8886
 Microorganisms Biological control 786
 Monitoring 4940
 Morphology (organisms) 4879, 4897
 Morphology (organisms) Keys 2602
 Mortality causes 5497
 Muscular system 10461
 New records: ASE, Cyprus 12840
 New records: INW, Japan, Hachijo I., Kurose 2639
 New records: PSW, South Africa Rep. 9242
 New species: ISE, Pitcairn Is. 6097
 New species: PSW, South Africa 6088
 New species: PSW, South Africa Rep. 9242
 Oceanographic equipment 10265
 Oxygen consumption: ANE, Baltic 11916
 Palaeontology 6930, 11647
 Palaeontology: ANW, USA 4176
 Palaeontology: ASW, USA 4176
 Palaeontology: British Isles, Suffolk, Icklingham 12514
 Palaeontology: Caribbean region 4584
 Palaeontology: Hungary 5766
 Palaeontology: Mexico 13954
 Palaeontology: Nigeria 5765

laeontology: PSW, South Africa Rep. 9242
 laeontology Sediment analysis: PSW, South Africa
 Rep. 1085
 sticides 5477
 sticides: Canada, British Columbia, Fraser R. 8777
 sticides: INE, Canada, British Columbia, Fraser
 R. Estuary 8777
 sticides: INE, Georgia Strait 8777
 enols 9879
 isonous organisms Toxicity 757
 isons (biological) Red tides 757
 lutants 5477
 lutants: ASE, Mediterranean 6679
 lution effects 4368
 lution effects: ASE, Spain, Rio de Pontevedra 6696
 ulation density: British Isles, Cambridgeshire, Great
 Ouse R. 8612
 ulation parameters: Canada, Quebec, Gatineau
 Park 5362
 teins 11647
 blic health 7882
 dioactive pollution 4368
 dioactive tracers 12213
 d tides Toxicity 757
 production 4879
 inity effects: ASE, Tunisia 11602
 inity effects Acclimation 2650
 mpling (biological) 10265
 mpling (biological): INW, Japan, Mutsu Bay 10425
 riment analysis: INW, Korea Rep. 5911
 riment transport: ANE, British Isles, Liverpool
 Bay 11594
 ellfish culture 9993
 ellfish culture Resource development 919
 ellfish fisheries: INE, Bering Sea 7857
 ells 4897, 6436, 11963, 12847
 ells: ANE, British Isles, Liverpool Bay 11594
 ells: Europe 7175
 ells: Europe coasts 6082
 e distribution 5552, 7774
 tistical analysis 10265
 ecession: Hungary 5408
 rveys: ASE, Elba Isl. 4220
 rveys: INW, Japan, Mutsu Bay 10425
 xonomy 11593
 xonomy: ISEW, Marquesas Is. 6097
 xonomy: PSW, South Africa 6088
 xonomy: PSW, South Africa Rep. 9242
 xonomy: Thailand 12845
 mperature effects 5497
 mperature effects Muscular system 2200
 mperature tolerance: ANE, Germany F.R. 11915
 ermal pollution 5497
 es 6436, 6930
 ade: Australia 5728
 ade: Brazil 10084
 ogeography: ASE 7375

Polypadia arenicola,
 dissolved oxygen 9217
 hemoglobin 9217

Monachus monachus,
 Biology 13072
 Conservation: ASE 13072
 Marine ecology 13072
 Research programmes 13072
 Stock assessment: ASE 13072, 13072

Monachus schauinslandi,
 Skin 7332

Monallantus salina,
 Pigments Taxonomy 1310

Monobothrium ulmeri,
 Parasites: USA, North Carolina, Raleigh L. 13300
 Seasonal variations: USA, North Carolina, Raleigh
 L. 13300

Monobranchium drachi,
 Symbiosis: ASE, Africa 8667

Monochrysis lutheri,
 Cultures 11959, 12390
 Metabolism 11959
 Nutrient cycles 12390
 Taxonomy Ultrastructure 136

Monocotyledoneae,
 New records: USA, California 8519

Monodon monoceros,
 Blood circulation 8454
 Carbohydrates 8454
 Ultrastructure 8454

Monodonta lineata,
 Pollution effects: ANE, British Isles 3309

Monodonta turbinata,
 Avoidance behaviour 9622
 Circadian rhythms: ASE, Italy, Trieste 11892
 Locomotion: ASE, Italy, Trieste 11892
 Tides: ASE, Italy, Trieste 11892

Monogenoidea,
 Parasites: ANE, Reykjanes Ridge 11991

Monomorphichnus multilineatus,
 New species: USA, California 10105

Mononchus aquaticus,
 Biology 12786
 Cultures 12786
 Life cycle 12786

Monopisthocotylea,
 Evolution 6029

Monostroma nitidum,
 Chemical structure 1326

Monotaxinae,
 Taxonomy: IS 12953

Monotosporella tuberculata,
 Abundance: Hungary 9105
 Cultures: Hungary 9105
 New species: Hungary 9105
 Seasonal variations: Hungary 9105

Monstrilla,
 Check lists: PSW, South Africa Rep. 3969

Monstrilla papilliremis,
 New species: PSW, South Africa Rep. 3969

Monstrilloida

Geographical distribution 6128

Keys 4942, 6128

New species 4942

Taxonomy 4942, 6128

Montastrea annularis

Coral reefs: ASW, Jamaica 7429

Growth rate: ASW, Jamaica 7429

Mopalia

Homing behaviour: INE, USA, California 5220

Phototaxis: INE, USA, California 5220

Mopalia lignosa

Feeding behaviour: INE, USA, California, Monterey Peninsula 8581

Food composition: INE, USA, California, Monterey Peninsula 8581

Respiration: INE, USA, California, Monterey Peninsula 8239

Salinity effects 8239

Stomach contents: INE, USA, California, Monterey Peninsula 8581

Temperature effects 8239

Mopalia muscosa

Ammonia 8247

Biological rhythms 8525

Diurnal rhythms: INE, USA, California 8523

Environmental effects 8525

Homing behaviour: INE, USA, California 8523

Locomotion 8525

Locomotion: INE, USA, California 8523

Nitrogen 8247

Proteins 8247

Territory: INE, USA, California 8523

Tides 8525

Water analysis (chemical) 8247

Mopsea

New species: ISW, Australia, Western Australia 8136

Mormyridae

Nervous systems 1556

Mormyrus rume

Aggressive behaviour 13201

Electric organs 4115

Nervous system 13201

Morone

Eggs 13184

Fish larvae 13184

Mechanical stimuli 5524

Otoliths 8913

Pressure effects 13184

Stress 13184

Morone punctata

Fish culture: Mauritania, Nouadhibou 13677

Rearing: Mauritania, Nouadhibou 13677

Morone saxatilis

Anaesthesia Juveniles 2118

Blood 9417

Environmental effects 8386

Environmental effects: USA, New York, Hudson R. 11140

Fish culture: USSR, Inland waters 7806, 12343

Haemoglobin 9417

Introduced species: USSR, Inland waters 12343

Mathematical models: USA, New York, Hudson R. 11140

Metabolic rate 6330

Metabolism 5267

Migrations: ANW, USA, Maryland, Chesapeake Bay 10740

Nutritional requirements 5267

Oxygen consumption: USSR, Inland waters 6330

Pollution effects: USSR, Inland waters 12343

Population structure: ANW, USA, New Jersey 4167

Pressure effects 5528

Serological studies 8386

Serological studies: USA, California, Sacramento R. 9417

Size distribution: ANW, USA, New Jersey 4167

Tagging: ANW, USA, Maryland, Chesapeake Bay 10740

Temperature effects 6330

Morum praeclarum

New records: PSW, South Africa, Natal 4874

Taxonomy: PSW, South Africa, Natal 4874

Mucor alternans

Biodegradation 9848

DDT 3237, 9848

Pollution control 3237

Mucronalia fulvescens

Ectoparasites: ISEW, Hong Kong 10871

Muggiaea

Taxonomy Speciation 1524

Muggiaea kochi

Life cycle Development 1340

Mugil

Fecundity: ASE, Tunisia, Tunis L. 7486

Juveniles Resource availability: ISW, India, Okhamandal 3441

Lagoon fisheries: Ghana 6826

Life cycle: ASE, Tunisia, Tunis L. 7486

Oil pollution Bioaccumulation: ASW, Mexico Gulf 519

Oil pollution Bioassays: ASW, Mexico Gulf 519

Oil pollution Chromatographic techniques: ASW, Mexico Gulf 519

Sexual maturity: ASE, Tunisia, Tunis L. 7486

Size distribution: ASE, Tunisia, Tunis L. 7486

Mugil auratus

Growth: ASE, Spain, Cadiz 13231

Strontium 7679

Mugil capito

Artificial feeding 13612

Fish catch statistics Length-weight relationships: Egypt, Arab Rep., Borullus L. 987

Mugil cephalus

Anaesthesia 3988

Artificial spawning 7825

Artificial spawning Aquaculture: Taiwan 898

Bacterial diseases: INW, Japan, Okitsu Bay 13280

Bioaccumulation 12222

Biochemistry 6307

- chemical pollutants 11067
 circadian rhythm 13044
 diseases 11994
 feeding: ISW, Sri Lanka, Negombo Lagoon 13642
 feeding behaviour 10841
 feeding behaviour: ASE, Israel, Haifa Bay 380
 fish culture: ISW, Sri Lanka, Negombo Lagoon 13642
 fishery management: Mexico, Tamiahua L. 8859
 food organisms 10841
 growth: ASW, USA, Texas 4128
 growth: Mexico, Tamiahua L. 8859
 hormones 6307, 10552, 13044
 insecticides 12222
 insecticides Chemical pollutants 2007
 insecticides Toxicity 2007
 kidney 13280
 larvae Survival 1567
 lesions 11994
 lesions: INW, Japan, Okitsu Bay 13280
 marine aquaculture 12368
 metabolites 10552
 nerves 10552
 parasites New species: ASW, USA, Florida 1762
 physiology 13044
 pituitary gland 10552
 pollution effects 11067, 12222
 pollution effects: ASW, USA, Mississippi 7300
 rearing 12368
 seasonal variations 13044
 seasonal variations: ASW, USA, Texas 4128
 stomach contents Food composition: ASE, Israel, Haifa Bay 380
 total mortality: Mexico, Tamiahua L. 8859
 tumours: ASW, USA, Mississippi 7300
- Mugil hishni*,**
 contracaecum: Host-parasite systems: ISW, Iraq, Basrah 13279
- Mugil longicauda*,**
 morphology (organisms): ASW, Cuba, Nipe Bay 9373
 new species: ASW, Cuba, Nipe Bay 9373
- Mugil parsia*,**
 eggs: ISW, India, Kulti Estuary 13604
 feeds 13694
 fish culture 13694
 production (biological) 13694
- Mugil saliens*,**
 embryos 12374
 larvae 12374
 morphology (organisms) 12374
 rearing 12374
- Mugilidae*,**
 abundance: ASE, Sierra Leone, Black Johnson Estuary 11984
 aquaculture 5226
 chromosomes 10593
 disease control 5226
 evolution 10593
 feeding behaviour: ASE, Sierra Leone, Black Johnson Estuary 11984
 fish culture 6831
- Fish culture: India 6831
 Fish culture: Israel 2113
 Fishery biology: India 6831
 Food organisms: South Africa, St. Lucia Lake System 13240
 Food webs: South Africa, St. Lucia Lake System 13240
 Gillnets: PSW, South Africa 5012
 Lagoons 8405
 Marine aquaculture: ASE, Italy 5582
 Ontogeny 8405
 Osmoregulation 8405
 Parasitic diseases 5226
 Reproductive organs 8405
 Resource development: India 6831
 Resource development Marine aquaculture 800
 Respiratory organs: PSW, South Africa 5012
 Salinity effects 8405
 Seed (aquaculture): ISW, India, Hooghly-Matlah Estuary 13696
 Speciation 10593
- Mugiloides*,**
 Heavy metals 11143
 Lethal limits 11143
 Temperature effects 11143
 Toxicity 11143
- Mulinia lateralis*,**
 Palaeontology: USA, North Carolina 5297
 Size distribution: USA, North Carolina 5297
- Mullidae*,**
 Biology Population dynamics: ASW, Jamaica 258
 Fisheries resources: ASW, Jamaica 12446
 Fishery surveys: ASW, Jamaica 12446
 Stock assessment: ASW, Jamaica 12446
 Taxonomy: ASW, Jamaica 258
- Mullus barbatus*,**
 Chemical composition: ASE, Mediterranean 9402
 Fats: ASE, Mediterranean 9402
 Host-parasite systems: ASW, Brazil, Salvador 10368
- Munida babai*,**
 Morphology (organisms): PSW, South Africa Rep, Natal 12893
 New species: PSW, South Africa Rep, Natal 12893
- Munida irrasa*,**
 Eyes 2670
 Ultrastructure 2670
- Munida proxima*,**
 Taxonomy: ISW, Indian Ocean 7204
- Munidion*,**
 Keys 2664
- Munidopsis*,**
 Geographical distribution 10715
 Morphology (organisms): INE, Alaska Gulf 10715
 Morphology (organisms): ISE 10715
- Muraenesox*,**
 Geographical distribution: World Oceans 11766
 Taxonomy: World Oceans 11766
 Transportation: India 13925
- Muraenesox cinereus*,**
 Otoliths Ageing methods 1704

***Muraenichthys lingowenah*,**

New species: PSE, Tasmania 5011

***Muraenidae*,**

Taxonomy Terminology: ISE, Galapagos 1522

Vertebrae counts 7254

***Murex insularum*,**

Food composition 4146

Predation 4146

***Muricea californica*,**

Age composition 6474

***Muricidae*,**

Embryos 13408

Survival 13408

***Mus*,**

Immunology 10401

***Musculium securis*,**

Development 4901

Growth: Canada, Ottawa R. 7477

Morphology (organisms) 4901

Parasites: Canada, Ottawa R. 7477

Reproduction 4901

Reproduction: Canada, Ottawa R. 7477

Survival: Canada, Ottawa R. 7477

***Mustela vison*,**

Catch effort 9596

Feeding behaviour 9596

Pollution effects: USA, Georgia, Suwannee R. 12224

Predation 9596

***Mustelus griseus*,**

Histology Reproductive organs 1504

***Mustelus mustelus*,**

Stomach contents: ASE 1747

***Mustelus whitneyi*,**

New species: ISE, Peru 12954

***Mya arenaria*,**

Aerobic respiration: ANW, USA, Maine, Casco

Bay 11064

Ageing methods: INE, USA, Alaska 5236

Carbon cycle: ANW, USA, Maine, Casco Bay 11064

Chemical composition: ASE, Black Sea 2648

Environmental effects: ANW, USA, Maryland 5534

Enzymes 8229

Fishery surveys: Canada, Quebec, Saguenay R. 2141

Fishery surveys Stock assessment: ANW, Canada,

Quebec 978

Growth rate: INE, USA, Alaska 5236

Immunology 8229

Length-weight relationships: INE, USA, Alaska 5236

Metabolism: ANW, USA, Rhode Is. 2652

Microbial contamination: ANW, Canada, Quebec 8880

New records: ASE, Black Sea 2648

Oil pollution 3303

Oil pollution: ANW, USA, Rhode Is. 2652

Oil pollution Bioaccumulation 613

Oil spills: ANW, USA, Maine, Casco Bay 11064

Photoreceptors 12726

Pollution effects 3303

Predation: ANW, Canada, Quebec 5571

Red tides Poisons (biological): ANE, British Isles,

England 747

Red tides Poisons (biological): ANW, Canada 747

Red tides Poisons (biological): ANW, USA 747

Respiration 9096

Serology 8229

Shellfish fisheries: ANW, Canada, Quebec 5571, 8839

Stock assessment: ANW, Canada, Quebec 8839, 8840

Stock assessment: ANW, USA, Maryland 5534

***Myadora*,**

Filter feeders 8213

Morphology (organisms) 8213

***Mycetopodidae*,**

Food organisms 4147

***Mycidium*,**

Parasites Respiratory organs 1768

***Mycobacteria*,**

Microbiology Food technology 2212

***Myctophidae*,**

Feeding mechanisms: INE, USA, Oregon,

Newport 5257

Larvae: INW 5325

Larvae: ISEW 5325

Surveys: INW 5325

Surveys: ISEW 5325

Vertical distribution: ANE 10542

***Myctophum*,**

Geographical distribution: World tropical

regions 11742

Taxonomy Morphology (organisms) Meristic counts:

World tropical regions 11742

***Mylio australis*,**

Oil pollution: ISEW, Australia, Queensland 7705

***Myliobatis aquila*,**

Feeding behaviour: ASE, Tunisia 13254

Food organisms: ASE, Tunisia 13254

Stomach contents: ASE, Tunisia 13254

***Myliobatis goodei*,**

Geographical distribution Indicator organisms:

ASW 2883

Geographical distribution Indicator organisms: PSW,

Argentina 2883

***Myochamidae*,**

Evolution 8213

***Mydocopina*,**

Taxonomy 2693

***Myoxocephalus aeneus*,**

Development: USA, Connecticut, Mystic R. 2800

***Myoxocephalus quadricornis*,**

Bioaccumulation: ANE, Baltic 5492

Feeding: ANE, Sweden, Asko-Landsort 9633

Mercury: ANE, Baltic 5492

***Myoxocephalus scorpius*,**

Feeding behaviour 6502

Parasitology: ANE, Baltic 12006

***Myozona*,**

Interstitial environment: ISE, Galapagos 3884

New species: ISE, Galapagos 3884

Taxonomy: ISE, Galapagos 3884

Myriapora buglei,
new species 1143

Myricaria,
conservation: Germany, Fed.Rep., Rhine R. 2870
freshwater ecology: Germany, Fed.Rep., Rhine R. 2870

Myriophyllum,
biomass: USA, California, L.Tahoe 6606
environmental effects: USA, New York, Cayuga
L. 8793

Myriophyllum spicatum,
plant control Diseases 787
seeds Plant control: USA, Florida 2027

Myriothela cocksi,
embryology 11574
histology 11574
ontogeny 11574

Myripristis murdjan,
parasites Morphology (organisms): ISEW, Timor
Sea 1761
parasites New species: ISEW, Timor Sea 1761

Myxidaceae,
food chains 3070
geographical distribution: ASE, Aegean 4197
geographical distribution: ASW, Brazil 3948
geographical distribution: ASW, Curacao 2697
geographical distribution Abundance: ASE,
Aegean 1653
morphology (organisms): ASW, Curacao 2697
predation: ANE, Baltic 5492
seasonal variations: ASE, Aegean 4197
taxonomy 1446, 3948

Myxilis relicta,
oxygen consumption 8285
toxicity 7621
vertical migrations 8285

Myxilis stenolepis,
life cycle Reproduction: ANW, Canada, New
Brunswick 204

Myxisticeti,
energy budgets: Southern hemisphere oceans 13211
growth: Southern hemisphere oceans 13211
marine ecology: Southern hemisphere oceans 13211
migrations: Southern hemisphere oceans 13211

Myxist pelusius,
new records: Turkey, Keban Dam L. 7359

Myxist seenghala,
ear selectivity: India, Govindsagar Reservoir 4452,
5572

Myxist osoma: Host-parasite systems 13296

Myxist vittatus,
growth 11793
muscular systems 11793
nucleic acids 11793

Myxistella,
ecology: ASW, Trinidad 6617
morphology (organisms): ASW, Trinidad 6617

Myxistilicola intestinalis,

Geographical distribution: ANE, British Isles,
Devon 6519

Parasites Seasonal variations 1757

Mytilidae,
Cells 12874
Correlation analysis 12874
Fish meal: Mauritania 13887
Fishery economics 13706
Nutritive value: Mauritania 13887
Pesticides: ANE, North Sea 5500
Predation: ASE, Black Sea 11886
Processing fishery products: Mauritania 13887
Salinity tolerance 12874
Shellfish culture: ANE, France, Pertuis Breton 13706
Shellfish culture: ANE, Netherlands 13706
Shellfish culture: ASE, Italy, La Spezia 13706
Shellfish culture: ASE, Spain 13707
Shellfish culture: ASE, Spain, Galicia 12665, 13706
Shellfish culture: ISEW, Philippines 13706
Survival 12874

Mytilus,
Bioaccumulation: ASE, France 8730
DDT: ASE 3278
Indicator organisms: INE, USA, California 11027
Lead: INE, USA, California 11027
Oil pollution 9876
Parasites: ANE, British Isles, Devon 6519
Pollutants: ASE, France 8730
Pollution monitoring: INE, USA, California 11027
Seasonal variations: ASE, France 8730

Mytilus californianus,
Amino acids: INE, USA, California, Trinidad Bay 8583
Bioaccumulation 3350, 7721
Cadmium: ISE, California Gulf 9863
DDT PCB: INE, USA, California 601
DDT Pollution monitoring: INE, USA, California 510
Enzymes 4923
Enzymes: INE, USA, Washington 9254
Genetics 4923
Geographical distribution 7721
Heavy metals: INE, USA, California 7721
Histology 11610
Indicator organisms: INE, USA, California 7721
Metabolic rate 3944
Morphology (organisms) 11610
Nutritional requirements: INE, USA, California,
Trinidad Bay 8583
Oxygen consumption 3943, 3944
Physiology 3943, 3944
Pollution effects: INE, USA, Oregon 5466
Polymorphism: INE, USA, Washington 9254
Population genetics: INE, USA, Washington 9254
Reproduction 4923
Secretory products 11610
Ultrastructure 11610
Zinc: INE, USA, Oregon 5466

Mytilus edulis,
Acclimation 9256, 12858
Aerobic respiration 7190, 9250
Ageing methods: ANW, USA, Maine 11956

- Air-water interface 9251, 9252
 Amino acids 3942, 9251
 Assimilation: PNW, White Sea 9270
 Bioaccumulation 4353, 4354, 6687, 13445, 13467
 Biochemistry 3942, 6108, 6119, 9269
 Biogeography: ANW 10901
 Chemical analysis 11649
 Chromosomes Enzymes 433
 Cytology 6108
 Detergents 5504
 Digestive glands 9249
 Digestive system 6510
 Disease control Antibiotics 1719
 Disease control Rearing 1719
 Diurnal rhythm 12869
 Electron microscopy 10446
 Environmental effects 9256
 Environmental effects: ANW, USA, Maine 12857
 Enzymes 6119, 9249, 9269, 10454, 11649
 Enzymes: ANE, British Isles, Devon 9253
 Excretion 13467
 Fats 3939
 Feeding behaviour 7450, 7455
 Feeds 10020
 Fertilization 5504
 Filter feeders 6124, 7190, 7450
 Filtration 6124
 Gametes: ANE, British Isles, Devon 9253
 Growth 12869
 Growth rate 9613, 13741
 Growth rate: ANW, USA, Maine 11956
 Growth rate Tagging 377
 Heavy metals 6704
 Heavy metals: INE, USA, California, Alamitos Bay 8778
 Immunology 6108
 Inhibitors 6119
 Invertebrate larvae 13385
 Ions 6119
 Iron 13467
 Larvae 5199
 Life cycle: ANE, British Isles, Northern Ireland 7186
 Marine pollution 13467
 Metabolism 3939, 4361, 9250, 12858, 12869
 Metals Harbours: INE, USA, California 602
 Microbial contamination: ANW, Canada, Quebec 8880
 Migrations: ANW 10901
 Mucus 7455
 Muscular system 6119, 10459
 Muscular systems 10454
 Nervous systems Ultrastructure 10451
 Nutrition 10020
 Oil pollution 12244
 Oil pollution Chromatographic techniques: INE, USA, California, San Francisco Bay 571
 Oogenesis 9250
 Organic constituents (organisms) 9269
 Oxygen consumption 11644, 12858
 Oxygen depletion 9256
 Parasites 6510, 12008
 Parasites Seasonal variations 1757
 Pesticides Toxicity 646
 pH 9252
 Physiology 10454, 12869
 Pigments: ANW, USA, Maine 12857
 Pollutants 4361
 Pollution effects 5504, 13445
 Pollution effects: INE, USA, California, Alamitos Bay 8778
 Pollution effects Pollution monitoring 1942
 Polymorphism: ANW, USA, Maine 12857
 Population genetics: ANE, British Isles, England, Cornwall, Rock 10905
 Population genetics: ANW 10901
 Population genetics Environmental effects 433
 Population structure 9667
 Proteins 11645
 Proteins: PNW, White Sea 9270
 Rearing 12377
 Rearing Larvae 1719
 Regional variations: ANW, USA, Maine 12857
 Respiration 9096, 9251, 9252
 Respiration Biological oxygen demand 1415
 RNA: PNW, White Sea 9270
 Salinity effects 5199, 9256
 Salinity effects: PNW, White Sea 9270
 Seasonal variations: ANE, British Isles, Devon 9253
 Shellfish culture: ANE, British Isles, Menai Straits 13741
 Shellfish culture: ASE, Spain 13609, 13707
 Shells 11596
 Shells Growth rate 2451
 Shells Measuring devices 2451
 Spawning seasons: ANE, British Isles, Northern Ireland 7186
 Sperm 10446
 Staining 10446
 Subpopulation: ANE, British Isles, England, Cornwall, Rock 10905
 Suspended matter Oil pollution: INE, USA, California, San Francisco Bay 571
 Symbionts: ANW, USA, New York, Montauk 13410
 Temperature effects 5199, 12858, 12869
 Temperature effects: ANE, British Isles, Devon 9253
 Temperature tolerance: ANW, Massachusetts, Somerset, Brayton Point 11092
 Temperature tolerance: INE, USA, California 6784
 Thermal pollution: ANW, Massachusetts, Somerset, Brayton Point 11092
 Vertical distribution Rearing: ANE, Germany, Fed.Rep. 2131
 Yield: ANE, British Isles, Menai Straits 13741

***Mytilus galloprovincialis*,**
 Antifouling substances: ASE, Black Sea 12302
 Aquaculture: ASE, Italy 925
 Artificial feeding Larvae 923
 Bioaccumulation 3273, 12248
 Carcinogens 12248
 DDT: ASE, Mediterranean 9893
 Environmental factors 13175
 Evolution 11624
 Fouling organisms: ASE, Black Sea 12302

- Geographical distribution: ASE, Black Sea 11885
 Growth: ASE, Portugal, Arabida 5378
 Growth rate Life cycle: ASE, Italy 925
 Heavy metals: ASE, Mediterranean 3273
 Littoral zone: ASE, Black Sea 11885
 Marine pollution: ASE, Venice Gulf 11068
 Morphology (organisms) 11624
 Pollution: ASE, Black Sea 12256
 Polls: ASE, Venice Gulf 11068
 Pathogeny 11624
 Poll: ASE, Mediterranean 9893
 Pollution effects 6717
 Pollution monitoring: ASE, Venice Gulf 11068
 Population genetics: ANE, British Isles, England, Cornwall, Rock 10905
 Production (biological): ASE, Black Sea 11885
 Selenium 13175
 Sells 11624
 Subpopulation: ANE, British Isles, England, Cornwall, Rock 10905
 Ultrastructure 8200
 Vertical distribution: ASE, Black Sea 11885
Mytilus smaragdinus,
 Shellfish culture: ISEW, Philippines 12338
Mytilus viridis,
 Eggs 8217
 Vertebrate larvae 8217
 Metamorphosis 8217
 Methodology 8217
 Rawning 8217
Myxicola,
 Respiratory pigments 9215
Myxicola infundibulum,
 Nerves 12837
 Physiology 12837
 Medium 12837
Myxidium boddaerti,
 New species: India, West Bengal, Sundarbans 13303
Myxidium lieberkuehni,
 New records: India, West Bengal, Sundarbans 13303
Myxilla,
 New species: INW, Japan, Shikoku, Anan 2572
Myxine glutinosa,
 imentary organs 8393, 9348
 Bod cells 9348
 Bod circulation Blood 557
 Solution 10362
 Hemoglobin 2835
 Part 5025
 Histology 7304, 8369, 8393
 Hormones 8369, 8382, 8393
 Kidney 6201, 7304
 Liver: ANE, Sweden, Gullmar Fiord 8585
 Pathogeny 8369
 Increases 8369, 8393, 9348
 Physiology 2835
 Pituitary gland 8382
 Pollutants: ANE, Sweden, Gullmar Fiord 8585
 Serological studies 2835
 Tumours: ANE, Sweden, Gullmar Fiord 8585
 Ultrastructure 5025, 8369, 8393, 9348
Myxobilatus yukonensis,
 Morphology (organisms) 4818
 New species: Canada, Inland waters 4818
 Parasites: Canada, Inland waters 4818
Myxocephalus quadricornis,
 Food organisms: Finland, Lakes 6752
 New records: Finland, Lakes 6752
Myxodagnus,
 Geographical distribution: I, Pacific 7249
Myxodagnus opercularis,
 New species: I, Pacific 7249
Myxodagnus walkeri,
 New species: I, Pacific 7249
Myxophyceae,
 Amino acids: USSR, Inland waters, Moldavia 11521
 Chemical extraction Photosynthetic pigments 1051
 Cytology 2490
 Fats 9160
 Growth 11508
 Iron 11508
 Light effects 11507
 Nitrogen cycle 11507
 Ultrastructure 2490, 11508
Myxosoma cerebialis,
 Bacterial diseases: New Zealand 3017
 Cultures 13301
 Disease control 5285
 Fungal diseases Spores 1767
 Irradiation 5285
 Life cycle 12801
 Parasites 13301
 Parasitic diseases 3006, 12801
Myxosporidia,
 Parasites: India, West Bengal, Sundarbans 13303
Naegleria,
 Environmental factors 5184
Naididae,
 Keys : Argentina, Parana R. 6042
 Morphology (organisms): Argentina, Parana R. 6042
Nais variabilis,
 Lethal limits: America, Michigan L. 6184
Najas flexilis,
 Geographical distribution: Sweden 6431
Namanareis quadraticeps,
 New records: PSW, Chile 2922
Nanaspidae,
 Check lists: ISEW, New Caledonia 3159
 Ecosystems: ISEW, New Caledonia 3159
 Morphology (organisms): ISEW, New Caledonia 3159
Nandus nandus,
 Chromatic behaviour 9406
 Hormones 9406
 Nervous system 9406
 Physiology 9406

***Nannastacus unguiculatus*,**

Growth: ASE, Black Sea 3120

New records: ASE, Black Sea 3120

Production (biological): ASE, Black Sea 3120

***Nannocandona stygia*,**

New species: Poland 12879

***Nannocara anomala*,**

Eyes 8353

***Nannochloris*,**

Cultures 10021

***Nannocloris oculata*,**

Pigments Taxonomy 1310

***Nannostomus*,**

Check lists 2789

Keys 2789

Morphology (organisms) 2789

***Nannostomus marilynae*,**

New species 2789

***Nanochromis gabonicus*,**

New species: Gabon Rep. 3997

***Narcine brasiliensis*,**

Electric organs 6223

***Narcissia gracilis*,**

New species: ISE, Columbia, Malpelo Is. 2567

***Nassariidae*,**

Taxonomy 2630

***Nassarius obsoletus*,**

Abundance: ANW, USA, Connecticut 7606

Bioassays 5434

Competitive behaviour: ANW, USA, Connecticut 7606

Environmental effects 6450, 9255

Invertebrate larvae 9255

Metabolism 9255

Physiology 9255

Salinity 6450

***Nassarius reticulatus*,**

Eggs 10445

Embryology 10445

***Nassula*,**

Cytology 7139

Development 7139

Ultrastructure 7139

***Natica*,**

Avoidance behaviour 6461

Protective behaviour 6461

***Natica gualteriana*,**

Feeding behaviour 8575

Predation 8575

***Natica kanakoffi*,**

New species: INE, USA, Oregon 6102

***Natrix piscator*,**

Drugs Pancreas 1595

***Natrix taxispilota*,**

Diving physiology 13102

***Naupliicola kenyensis*,**

New species: Kenya, Tsavo National Park, Tsavo R. 12792

Parasites: Kenya, Tsavo National Park, Tsavo R. 12792

***Nausitora*,**

Polymorphism 6093

Taxonomy 6093

***Nautilus*,**

Buoyancy 8190

Mathematical models 8190

Shells 8190

***Navicula*,**

Speciation Taxonomy 1299

***Navicula fucicola*,**

Epiphytes: ANE, Norway 2511

New species: ANE, Norway 2511

***Navicula hongkongensis*,**

New species: Hong Kong 12742

***Navicula ostrearia*,**

Chlorophylls 6001

Chromatophores 6001

Cultures 7833

Light effects 2518

Photosynthetic pigments 6001

Photosynthetic pigments Biometrics 1320

Spores 2518

Ultrastructure 12754

***Navicula pelliculosa*,**

Molybdenum Nitrates 1333

***Neanthes arenaceodentata*,**

Heavy metals: INE, USA, California 8780

Oil pollution 7712

Pollution effects 7712

Pollution effects: INE, USA, California 8780

***Neascus rhinichthysi*,**

Parasites: USA, West Virginia, Inland waters 10874

***Nectophrynoides occidentalis*,**

Cytology 9493

Pituitary gland 9493

Ultrastructure 9493

***Nectopsyche*,**

Entomology 8307

Larvae 8307

***Necturus maculosus*,**

Hormones 6376

***Negaprion brevirostris*,**

Learning behaviour 7408

Light effects 7408

Stimuli 7408

***Nemation vermiculare*,**

Carbohydrates Chemical structure 151

***Nematocera*,**

Morphology (organisms) 2735

***Nematoda*,**

Benthos 3879

Benthos: ANE, Germany, F.R., Weser estuary 9721

Benthos: ASE, France, Banyuls-sur-mer 5366

Benthos: PSE, Kerguelen Is. 8641

omass: ANE, Germany, F.R., Weser estuary 9721
 ollections: ISEW, Great Barrier Reef 3862
 omunity composition: ANE, Germany F.R. 4169
 nzymes 4861
 eeding: PSE, Kerguelen Is. 8641
 nterstitial environment: ANE, North Sea, Sylt 3876
 ttoral zone: PSW, Chile 3885
 arasites: ANE, Reykjanes Ridge 11991
 arasites: Canada, Newfoundland 4158
 arasites: Pakistan 7151
 uxonomy: ANE, North Sea, Sylt 3876
 uxonomy: ASW, Bermuda, Tucker's Town Cove 11564
 sces: Parasite control 1775

ematogenys,

orphology: Chile 5033
 eleton: Chile 5033
 uxonomy: Chile 5033

ematopsis,

ew species 7479
 arasites 7479

emertini,

keys: World inland waters 8137
 orphology (organisms): World inland waters 8137

emesis robusta,

arasites Morphology (organisms) 1434

emipterus japonicus,

emersal fisheries Fishing mortality: ISEW 2154
 ear selectivity Fishing mortality: ISEW 2154

emoura avicularis,

emperature effects: British Isles, Wales, Inland
 waters 5185

ecalanus gracilis,

velopment Juveniles: ASE, Valencia Gulf 1449

echetina bruchi,

ological control: Argentina 13514
 ood organisms: Argentina 13514

echetina eichhorniae,

abitat improvement Plant control: USA 2026

echromadora paratecta,

ew species: ANE, North Sea, Sylt 3876

edeuterobaris pritchardae,

atomy: Colombia 9659
 ew species: Colombia 9659
 arasites: Colombia 9659

eochinorhynchus rutili,

icator organisms: ANW, Canada, New
 Brunswick 11903
 arasites 8604

eogastropoda,

atomy: ISE, California Gulf 12856
 olution: ISE, California Gulf 12856
 eproductive organs: ISE, California Gulf 12856

eoglyphea inopinata,

ssils 9290
 ew records: ISEW, Philippines 9290
 ew species: ISEW, Philippines 6133

Neomenia yamamotoi,

New species: INW, Japan 8209
 Taxonomy: INW, Japan 8209

Neomesomermis flumenalis,

Ecology: Canada, Newfoundland 6508
 Parasites: Canada, Newfoundland 6508

Neomys fodiens,

Food composition: Poland, Narewka R. 11967

Neomysis awatschensis,

Acclimation Controlled conditions 362

Neomysis mirabilis,

Metabolic rate 4996

Neopanope,

Artificial feeding 11973
 Rearing 11973

Neopanope sayi,

Aggressive behaviour 8542
 Reproductive behaviour 8542
 Social behaviour 8542

Neophocaena,

Ecology 9466
 Taxonomy 9466

Neophocaena phocaenoides,

Chemical analysis 9502
 Fats 9502
 New records: ISW, Iraq 13136

Neophya rutherfordi,

Habitat 12929
 Larvae 12929
 Morphology (organisms) 12929

Neoplea striola,

Buoyancy 5004
 Metabolism 5004
 Respiration 5004
 Respiratory organs 5004

Neosarmatium malabaricum,

Mangrove swamps: ISW, Sri Lanka 6129
 Morphology (organisms): ISW, Sri Lanka 6129

Neoscolex macer,

New species: USSR, Chuckchee Pen. 11548

Neotanaidae,

Abyssal zone: ANW, USA, Massachusetts 6152
 Life history 6152
 Morphology (organisms): PS, Antarctic Ocean 6152
 Taxonomy 6152

Neotanais,

New species: ANW, USA, Massachusetts 6152
 Sex reversal 6152

Nepa cinerea,

Geographical distribution New records: British Isles,
 Orkney 332

Nephrochloris salina,

Taxonomy 11481

Nephrochytrum complicatum,

Reproduction 3840
 Terminology 3840

***Nephrops*,**

Conferences: Denmark, Charlottenlund 10051
 Fishery biology: ANE 10051
 Fishery management: ANE 10051
 Stock assessment: ANE 10051
 Stock assessment: ANE, British Isles, Firth of Forth 10052

***Nephrops norvegicus*,**

Autecology: ANE, British Isles, Scotland 9553
 Behaviour: ANE, British Isles, Scotland 9553
 Circadian rhythm: ANE, British Isles, Scotland 9553
 Correlation analysis: ASE, Yugoslavia 6853
 Eyes 5189
 Fisheries statistics: ASE, Yugoslavia 6853
 Fishery biology: ANE 1422
 Fishery biology: ASE, Mediterranean 1422
 Fishery surveys: ANE, Irish Sea 7532
 Fishing effort: ASE, Yugoslavia 6853
 Gear selectivity: ASE, Spain, Galicia 12332
 Growth: ASE, Biscay Bay 2972
 Larvae: ANE, Irish Sea 7532
 Life cycle: ANE 1422
 Life cycle: ASE, Mediterranean 1422
 Light effects 5189
 Locomotion 5189
 Moulting: ASE, Biscay Bay 2972
 Population studies: ANE 1422
 Population studies: ASE, Mediterranean 1422

***Nephtys hombergii*,**

Ageing methods 10879
 Hormones 12815
 Mouth parts 10879
 Population structure 10879
 Spawning 12815

***Nepidae*,**

Life cycle Keys: USA, Louisiana 2724

***Nepomorpha*,**

Keys: Guyana 2734
 New species: Guyana 2734

***Nereidae*,**

Spermatogenesis 9224

***Nereis diversicolor*,**

Copper 7170
 Meiosis 8177
 Pollution effects 7170
 Respiration 9096
 Salinity effects 7170
 Spermatogenesis 8177

***Nereis japonica*,**

Bioaccumulation 13451
 Cadmium 13451
 Radioactive pollution 13451

***Nereis vexillosa*,**

Life cycle 10360
 Territorial behaviour 10360

***Nereis virens*,**

Aerobic respiration 10400
 Circadian rhythm 7169

Diurnal rhythm 10400

Metabolic rate 10400

Respiration 7169

***Nereocystis*,**

Anatomy 8100

Cells 8100

Histology 8100

***Nereocystisluetkeana*,**

Carbon 7097

Gases 7097

Physiology 7097

Respiration 7097

***Nerita plicata*,**

Geographical distribution: I, Pacific 12839

Habitat: I, Pacific 12839

Vertical distribution 12839

***Nerophis lumbriciformis*,**

Anatomy 10596

Eggs 10596

Reproduction 10596

Ultrastructure 10596

***Nettodarus*,**

New records: ASW 13151

***Neumania gila*,**

New species: Australia 1479

***Neverita lamonae*,**

New species: INE, USA, Oregon 6102

***Nezumia bairdii*,**

Abundance: ANW 12455

Geographical distribution: ANW 12455

***Nicolea zostericola*,**

Oogenesis 11582

***Nigronia*,**

Geographical distribution: USA, West Virginia 2911

***Nigronia fasciata*,**

Life cycle Rivers: USA, Virginia 243

***Niphargus rhenorhodanensis*,**

Length-weight relationships 13219

Population structure 13219

Respiration 13219

***Nitella*,**

Mathematical models 6008

Olfaction 6008

***Nitella acuminata*,**

Enzymes 9163

Metabolism 9163

Respiration 9163

***Nitocra spinipes*,**

Autecology: ASE, France, Camargue 11657

Interstitial environment: ASE, France,

Camargue 11657

Ponds: ASE, France, Camargue 11657

Survival: ASE, France, Camargue 11657

***Nitocrella ioneli*,**

New species: Morocco, Ziz R. 3947

Taxonomy: Morocco, Ziz R. 3947

- itophyllum stellato-corticatum*,
Morphology (organisms) 5986
Productive organs 5986
- itrobacter agilis*,
Nitrogen cycle: ISEW, Marshall Is., Eniwetok 2465
- itrosococcus mobilis*,
Ammonia 11445
New species: ANE, Germany, F.R., Husum
Harbour 11445
Structure: ANE, Germany, F.R., Husum
Harbour 11445
- itrosomonas*,
New species: USSR, Kamchatka, Inland waters 10273
Thermal springs: USSR, Kamchatka, Inland
waters 10273
- itzschia*,
Geographical distribution: ASW, USA, Texas, Galveston
Bay 13352
- itzschia angularis*,
Amino acids 13260
Nutritional requirements 13260
- itzschia closterium*,
Growth 4127
Growth regulators 4127
Pollution effects 4127
- itzschia delicatissima*,
Taxonomy 11476
Structure 11476
- itzschia longissima*,
Circadian rhythms: ASW, Mexico 4198
- itzschia palea*,
Phosphorus cycle 8672
- octiluca*,
Environmental effects: ASE, Mediterranean 13359
Red tides: ASE, Mediterranean 13359
- octiluca scintillans*,
Red tides: INW, Japan 12287
- odulaia spunigena*,
Algal blooms: ANE, Baltic 9755
- odularia spumigena*,
Autecology 8096
Growth 8096
Inc 8096
- omacheilus barbatulus*,
Opper 12261
Pollution effects 12261
Pollution effects Geographical distribution 1990
Toxicity 12261
- opetia ponderosa*,
Hemoglobin 6109, 6110
Oxygen consumption 6109, 6110
- oodtiella enertha*,
New species: ANW, USA, North Carolina 8252
- osema strigeoideae*,
Biological control 6523
- Nostoc*,
Nitrogen cycle: USA, California 5396
Primary production: USA, California 5396
- Nostoc commune*,
Symbionts 7103
- Nostoc muscorum*,
Enzymes 12762
Nitrogen cycle 12762
- Nostoc zetterstedii*,
Bioaccumulation: Denmark, Lakes 4668
- Nothobranchius guentheri*,
Biology: Africa, East 8545
Habitat: Africa, East 8545
Reproductive behaviour: Africa, East 8545
Survival: Africa, East 8545
- Nothoidium*,
New species 9127, 12069
- Notolychnus valdiviae*,
Fish larvae: AS 6226
Ontogeny: AS 6226
- Notommata copeus*,
Light effects 4852
Population density 12033
Reproduction 12033
Reproduction rate 4852
- Notonecta glauca*,
Distributional charts 4110
Population density 4110
- Notonecta hoffmanni*,
Cannibalism Population density 1732
Food availability Cannibalism 1731, 1732
Mortality causes Cannibalism 1731
Predation Cannibalism 1732
Predation Food availability 1731
- Notonecta undulata*,
Insecticides: USA, Ohio 8776
- Notonemouridae*,
Biogeography: Australia 3981
New species: Australia 3981
Taxonomy: Australia 3981
- Notophthalmus viridescens*,
Abnormalities 10677
Development 10677
Development Reproductive organs 306
Irradiation 10690
Morphology (organisms) 4054
Radioactive tracers 5122
Regeneration 4054, 5122, 10677
Stomach contents 5385
Temperature effects 10690
Tolerance 10690
- Notoplana igiliensis*,
Chromosomes 7160
Genetics 7160
- Notopterus notopterus*,
Morphology (organisms) 8328
Morphology (organisms) Respiratory organs 270

***Notosceles chimmonis*,**

Morphology (organisms) 2678

***Notosudidae*,**

Abyssal zone 8354

Eyes 8354

Vision 8354

***Notothenia larseni*,**

Taxonomy: PSW 11767

***Notothenia loesha*,**

New species: PSE 11767

***Notothenia nybelini*,**

New species: PSW 11767

***Notothenia phocae*,**

Keys: PS, Antarctic Ocean 11772

Taxonomy: PS, Antarctic Ocean 11772

***Notothenia tchizh*,**

New species: PSE 11767

***Nototodarus gouldi*,**

Exploratory fishing: PSE, Tasmania 11203

***Nototodarus sloani*,**

Fishery biology: PSE, New Zealand 13852

Population dynamics: PSE, New Zealand 13852

Stock assessment: PSE, New Zealand 13852

Taxonomy: PSE, New Zealand 13852

***Notropis*,**

Competition: USA, Wisconsin, Roxbury Creek 12141

Ecosystems: USA, Wisconsin, Roxbury R. 13389

Feeding behaviour: USA, Wisconsin, Roxbury R. 13389

Food organisms: USA, Wisconsin, Roxbury
Creek 12141

Predation: USA, Wisconsin, Roxbury R. 13389

Vertical distribution: USA, Wisconsin, Roxbury
Creek 12141***Notropis analostanus*,**

Aggressive behaviour 5205

Bioacoustics 5205

Courtship 5205

Reproductive behaviour 5205

***Notropis atherinoides*,**

Growth 10743

Survival 10743

Temperature effects 10743

Temperature tolerance 10743

***Notropis longirostris*,**

Ecology: USA, Mississippi, Jourdan R. 5179

Environmental factors: USA, Mississippi, Jourdan
R. 5179

Feeding: USA, Mississippi, Jourdan R. 5179

***Notropis lutrensis*,**

Growth rate 7418

Temperature effects 7418

***Notropis petersoni*,**

Life cycle: USA, Florida, Hillsborough R. 2750

***Nucella lapillus*,**

Environmental effects: ANE, British Isles, Devon 6095

Morphology (organisms): ANE, British Isles,
Devon 6095

Morphology (organisms): ANE, France 6096

Shells: ANE, British Isles, Devon 6095

Shells: ANE, France 6096

***Nucula fernandensis*,**

New species: PSW, Tuan Fernandez Is. 1398

***Nudibranchia*,**Geographical distribution: ANE, British Isles,
Penbrokeshire 1403

Geographical distribution: ANW 7378

Marine ecology: ANW 7378

Morphology (organisms) 4891

Predation: ANW 7378

Ultrastructure: ASE, Naples Gulf 4891

***Nuia*,**

Fossils: ANW, St. Lawrence Bay 12741

Terminology: ANW, St. Lawrence Bay 12741

***Nuphar lutea*,**

Autecology: Europe, Danube R. 8321

Dispersion: Europe, Danube R. 8321

Geographical distribution: Europe, Danube R. 8321

Ontogeny: Europe, Danube R. 8321

***Nuttallina californica*,**

Blood: INE, USA, California, Point Pinos 8241

Feeding behaviour: INE, USA, California 8580

Food composition: INE, USA, California 8580

Habitat: INE, USA, California 8580

Intertidal environment 8243

Ions: INE, USA, California, Point Pinos 8241

Metabolism: INE, USA, California, Point Pinos 8241

Osmoregulation 8243

Predation: INE, USA, California, Monterey

County 8684

Salinity effects: INE, USA, California, Point Pinos 8241

Subpopulation 8243

Water waves 8243

***Nybelinella brevidorsalis*,**

New species: ISW 11769

Taxonomy: ISW 11769

***Nybelinia basimegacantha*,**

New species: ISE, Hawaii 7145

***Nyctiphanes australis*,**

Chemical analysis 11978

Fats 11978

***Nymphula nymphaeata*,**

Air bubbles 9327

Dissolved oxygen 9327

Larvae 9327

Respiration 9327

Ultrastructure 9327

***Obelia*,**

Taxonomy 4812

***Obelia loveni*,**

Growth regulators 3911

Metamorphosis 3911

***Ocenebra erinacea*,**

Hermaphrodites: ASE, France 8215

Reproductive organs: ASE, France 8215

***Chromonas danica*,**

Biochemistry 6006
Chemical analysis 10346
Eggs 6005, 6006
Electron microscopy 6005
Electrophoresis 6005
Eggs 6006, 10346
Methodology 6005
Secretory products 10346

***Chromonas malhamensis*,**

Eggs 6010
Metabolism 6010

***Ochthebius*,**

Morphology (organisms) 9325
Taxonomy 9325

***Octocorallia*,**

Check lists: ASW, USA, Florida 11081
Chemical pollutants 11081
Geographical distribution: ASE, France 4100
Geographical distribution: ISW, Australia, Western Australia 8136
Hosts: ASW, Netherlands Antilles 6131
Light effects: ASE, France 4100
Nervous systems Ultrastructure 2554
Pollution effects 11081

***Otolasmis mulleri*,**

Development 9294
Eggs 9294
Metamorphosis 9294
Feeding 9294

***Octopoda*,**

Fishery surveys: ASE, Spain, Galicia 3436

***Octopus dofleini*,**

Enzymes 12873
Metabolism 12873
Reproductive behaviour 11630
Sexual reproduction 11630
Term 12873

***Octopus joubini*,**

Growth Reproductive behaviour 371
Nervous system 8210
Olfactory organs 8210

***Octopus tetricus*,**

Feeding 12854
Sexual reproduction 12854

***Octopus vulgaris*,**

Absorption 11641
Alimentary organs 11641
Cold storage: Brazil 3568
Feeding: Brazil 3568
Digestion 11641
Enzymes 6120
Fishery products: Brazil 3568
Kidney 4933
Metabolism 6120
Osmoregulation 4933
Radioactive tracers 11641
Symbiosis 4933

***Oculospinus brevis*,**

Feeding behaviour: ASE, Genoa Gulf 3986
Habitat: ASE, Genoa Gulf 3986
Reproductive organs: ASE, Genoa Gulf 3986
Viviparity: ASE, Genoa Gulf 3986

***Ocypode cordimana*,**

Vocal behaviour Bioacoustics 365

***Ocypode laevis*,**

Geographical distribution: ISEW, Marshall Is. 6427

***Ocypode quadrata*,**

Food composition: ANW, USA, North Carolina 10831
Predation: ANW, USA, North Carolina 10831

***Ocypodidae*,**

Check lists: ISW, Tanzania 3946
Horizontal distribution: INW, Japan, Gamo Lagoon 10744
Intertidal environment: INW, Japan, Gamo Lagoon 10744
Larvae 11680
Morphology (organisms) 11680
New records: ISW, Tanzania 3946
Ontogeny 11680
Sands: INW, Japan, Gamo Lagoon 10744
Tides: INW, Japan, Gamo Lagoon 10744

***Odacidae*,**

Meristic counts: PSE, New Zealand 10565
Morphology: PSE, New Zealand 10565
Taxonomy: PSE, New Zealand 10565

***Odax pullus*,**

Taxonomy: PSE, New Zealand 10565
Temperature effects: PSE, New Zealand 10565

***Odobenus divergens*,**

Diseases: INE, St. Lawrence I. 9532
Mortality causes: INE, St. Lawrence I. 9532

***Odobenus rosmarus*,**

Habitat: INE, USA, Alaska 11927
Social behaviour: INE, USA, Alaska 11927
Thermoregulation: INE, USA, Alaska 11927

***Odonata*,**

Biogeography: British Isles 5549
Check lists: British Isles 5549
Check lists: Finland, Kaerkoelae 4058
Geographical distribution: Finland, Kaerkoelae 4058
Nature conservation: British Isles 5549

***Odontaspidae*,**

Check lists: PSW, South Africa Rep. 9339
Morphology (organisms): PSW, South Africa Rep. 9339

***Odontaster validus*,**

Freezing: PS, Antarctica 9576

***Odonthalia floccosa*,**

Parasites 7112

***Odontobutis obscurus*,**

Feeding 4154
Nutritional requirements 4154

***Odontoceti*,**

Auditory organs 6383

Fisheries resources: ISW, India 13784
 Resource management: ASE, Black Sea 13844
 Whaling statistics: ISW, India 13784

***Odontodactylus scyllarus*,**
 Territorial behaviour 10468

***Odontogadus merlangus*,**
 Bioaccumulation 12248
 Carcinogens 12248

***Odontophora bermudensis*,**
 New species: ASW, Bermuda, Tucker's Town
 Cove 11564

***Odontophrynus*,**
 Chromosomes 5114

***Odontophrynus americanus*,**
 Genetics 4048

***Oedogonium*,**
 Check lists: Bangladesh 9116
 New records: INW, Japan 12746
 New species: Bangladesh 9116
 Taxonomy: INW, Japan 12746

***Oedogonium acmandrium*,**
 Chemical stimuli 8120
 Growth regulators 8120

***Oegopsida*,**
 Larvae: ISW 4191
 Zooplankton: ISW 4191

***Oithona*,**
 Vertical distribution: USA, Georgia,
 Wilmington-Skidaway estuary 7536

***Oithona hebes*,**
 New records: ASW, Venezuela 4183

***Oithona ovalis*,**
 Anatomy 10473
 Digestive system 10473
 Muscular system 10473
 Nauplii 10473

***Oithonidae*,**
 Abundance Geographical distribution: ISEW,
 Malaysia 1611

***Okkelbergia*,**
 Morphology (organisms) 8332
 Terminology 8332

***Oligoceras hemorrhages*,**
 Chemical analysis 1383

***Oligochaeta*,**
 Biological collections: USSR, Caspian Sea 10364
 Check lists: Argentina, Santa Fe 10960
 Check lists: Bangladesh, Dacca City 7355
 Ecology: ANE, Iceland 10385
 Geographical distribution Abundance: America,
 Michigan L. 341
 Habitat: USSR, Caspian Sea 10364
 Interstitial environment: ISE, Galapagos 3871
 New records: ANE, Iceland 10385
 Pollution effects Dissolved oxygen 658
 Seasonal variations: Poland, Sola R. 6394
 Taxonomy: USSR, Caspian Sea 10364

***Oligochoerus limnophylus*,**
 Geographical distribution: ASE, Romania 11883
 Lagoons: ASE, Romania 11883

***Oligocottus*,**
 Environmental factors 13177
 Habitat 13177
 Intertidal environment 13177
 Temperature effects 8499
 Tides 8499
 Vertical distribution 8499

***Oligocottus maculosus*,**
 Population dynamics: INE, USA, California, Trinidad
 Bay 7491
 Stock assessment: INE, USA, California, Trinidad
 Bay 7491

***Oligopogonium*,**
 New species 9127, 12069

***Oligopus longhursti*,**
 Development 6255
 Embryology 6255
 Ontogeny 6255

***Oliva sayana*,**
 Food organisms 12153
 Predation 12153
 Seasonal variations 12153
 Survival 12153

***Olor columbianus*,**
 Lead: USA, Idaho, Mission Lake 11074
 Mortality causes: USA, Idaho, Mission Lake 11074
 Pollution effects: USA, Idaho, Mission Lake 11074

***Ommastrephes*,**
 Evolution 4917
 Morphology (organisms) 4917
 Taxonomy 4917

***Ommastrephes pteropus*,**
 Bioluminescence 11639

***Ommatophoca rossi*,**
 Chemical composition 11829
 Length-weight relationships 11829

***Omobranchus*,**
 Morphology 2788
 Taxonomy 2788

***Omobranchus meniscus*,**
 New species 2788

***Omobranchus steinitzi*,**
 New species 2788

***Omobranchus verticalis*,**
 New species 2788

***Oncaea latimana*,**
 Taxonomy New species: ASW, Mexico Gulf 1454

***Oncaea neobscura*,**
 New species: ASE, France, Banyuls-sur-mer 4962

***Oncaeidae*,**
 Geographical distribution: ASE, France,
 Banyuls-sur-mer 4962
 Morphology (organisms): ASE, France,
 Banyuls-sur-mer 4962

- Enchidium verrucatum*,
 Night effects 11650
- Enchinesoma intermedium*,
 New species: ISEW, East China Sea 11565
- Encomelania hupensis*,
 Hybridization 192
 Pest control: China, People's Rep. 8805
- Enchorhynchus*,
 Aerial surveys Statistical analysis 932
 Age composition: USSR, Sakhalin 6444
 Anatomy 5009
 Aquaculture statistics: INE, Puget Sound 7814
 Blood circulation 8343
 Cage culture: INE, Puget Sound 7814
 Cage culture: INE, USA, Washington 13633
 Catadromous migrations: INW, Okhotsk Sea 6529
 Catch statistics: INE, USA, Alaska 964
 Census Aerial surveys 932
 Census Methodology 932
 Commercial fishing Yield predictions: INE, USA, Alaska 964
 Digestive system 11178
 Disease control 13292
 Diseases 8343
 Environmental effects: I, Pacific 12040
 Feeding migrations: USSR, Sakhalin 6444
 Fish catch statistics: INE, USA, Alaska 10034
 Fish catch statistics: USA, Alaska 10034
 Fish culture 13292
 Fish culture: INE, Canada, British Columbia 6833
 Fish culture: INE, USA, Washington 13633
 Fishery surveys: INE, USA, Alaska 964
 Food composition: USA, Alaska, Prince William Sound 10855
 Freshwater aquaculture 11178
 Freshwater ecology Production (biological): Japan, Hokkaido, Yurappu R. 471
 Geographical distribution: INW, Pacific 9521
 Growth 11184
 Introduced species Acclimation: AN 431
 Juveniles: INW, Okhotsk Sea 6529
 Length-weight relationships 9087
 Lesions 8343
 Manuals 5009
 Marine aquaculture 11178
 Marine aquaculture: INE, USA, Washington 13633
 Mathematical models Fish culture 890
 Measuring devices 9087
 Methodology Aerial surveys 932
 Migrations 8343
 Mortality 11184
 Nutritional requirements Metabolism 391
 Parasites: INW, Okhotsk Sea 6529
 Physiology 5009
 Pollution effects: USA, Alaska, Prince William Sound 10855
 Population dynamics: I, Pacific 12040
 Rearing 11184
 Reproduction Aquaculture: Southeast Asia coasts 432
 Reproduction Subpopulation: Southeast Asia coasts 432
 Resource development: INE, USA, Washington 13633
- Resource management: Southeast Asia coasts 432
 Seasonal variations: INW, Pacific 9521
 Spawning grounds Ground water: USSR, Inland waters 277
 Stock assessment: INE, USA, Alaska 964
 Symbionts 11178
 Temperature effects Bacterial diseases 1789
 Yield predictions: INE, USA, Alaska 10034
 Yield predictions: USA, Alaska 10034
- Oncorhynchus gorbuscha*,
 Bioassays 12237
 Cells 13059
 Feeding: INW, Japan Sea 5249
 Feeding behaviour: INE, Alaska, Traitors Cove 9698
 Fishery surveys Geographical distribution: INE, Alaska 1674
 Fishery surveys Migrations: INE, Alaska 1674
 Fishery surveys Population parameters: INE, Alaska 1674
 Fishery surveys Tagging: INE, Alaska 1674
 Fishing mortality Coastal fisheries: INW, Okhotsk Sea 999
 Fishing mortality Marine fisheries: INW, Okhotsk Sea 999
 Geographical distribution 7824
 Hatcheries: INE, Alaska, Traitors Cove 9698
 Introduced species: PNW 7824
 New records: USSR, Ob' R. 7824
 Oil spills Pollution effects: PNW, Arctic, Prudhoe Bay 618
 Pituitary gland 13059
 Pollution effects Life cycle: PNW, Arctic, Prudhoe Bay 618
 Population dynamics: INW, USSR, Primor'e 1000
 Population dynamics Reproduction rate: INW, Okhotsk Sea 999
 Predictions Spawning migrations: INE, USA, Alaska 965
 Reproduction Population dynamics: INW, Kuril Is. 429
 Resource availability Predictions: INE, USA, Alaska 965
 Secretory products 13059
 Stock assessment: INW, USSR, Primor'e 1000
 Ultrastructure 13059
- Oncorhynchus keta*,
 Amino acids 9414
 Chemical extraction 13891
 Chromatographic techniques Hormones 295
 Fecundity: INW, Okhotsk Sea 430
 Fecundity: USSR, Kamchatka 5301
 Fishing mortality Coastal fisheries: INW, Okhotsk Sea 999
 Fishing mortality Marine fisheries: INW, Okhotsk Sea 999
 Geographical distribution Subpopulation: INW 1031
 Hormones 13891
 Hormones Bioassays 294
 Hormones Enzymes 1559
 Juveniles Environmental effects: INW, Sakhalin 891
 Juveniles Length-weight relationships: INW, Sakhalin 891

Juveniles Nutrition: INW, Sakhalin 891
 Juveniles Rearing: INW, Sakhalin 891
 Juveniles Survival: INW, Sakhalin 891
 Oceanodromous migrations: INW 11893
 Pituitary gland Hormones 295
 Pituitary gland 13891
 Pituitary gland Hormones 296
 Population dynamics: USSR, Kamchatka 5301
 Population dynamics Reproduction rate: INW, Okhotsk Sea 999
 Predation Food composition: INE, Puget Sound 1739
 Reproduction rate Environmental effects: USSR, Amur R. 998
 Skeleton Biometrics: USSR 1529
 Spawning 9414
 Subpopulation Feeding migrations: INW 1031
 Tagging: INW 11893

***Oncorhynchus kisutch*,**

Abundance: INW 8857
 Acclimation 6280
 Aerial surveys: INE, USA, Oregon 11216
 Aquaculture 7823
 Aquaculture: ASW, USA, Alabama 4458
 Bacterial diseases: INE, Puget Sound 1766
 Blood cells 7248
 Boron Bioaccumulation 607
 Boron Toxicity 606, 607
 Chemical toxicants 8755
 Chemoreception 10731
 Chemoreception: America, Michigan L., Oak Creek 10732
 Chlorine 11086
 Eggs: America, Great Lakes 11789
 Eggs: INE, USA 11789
 Environmental effects 12049
 Environmental factors: INE, USA, Oregon 11216
 Enzymes 13012
 Fatigue 9439
 Fecundity: America, Great Lakes 11789
 Fecundity: INE, USA 11789
 Feed 7823
 Fish culture 6832
 Fish culture: INE, Puget Sound 2104
 Fisheries regulations: USA, California 3601
 Fisheries statistics: INW 8857
 Fishery management 12364
 Fishery surveys: INE, USA, Oregon 11216
 Fishing mortality Coastal fisheries: INW, USSR, Kamchatka 996
 Geographical distribution: INW 8857
 Haematology 9439, 11086
 Haemoglobin 12049
 Homing behaviour: America, Michigan L., Oak Creek 10731, 10732
 Landing statistics: INE, USA 3601
 Migrations: America, Michigan L., Oak Creek 10731
 Mortality causes 12005
 Olfaction: America, Michigan L., Oak Creek 10732
 Pituitary gland 7248
 Pollution effects 11086
 Polymorphism 12049

Population structure: INW, USSR, Kamchatka 996
 Pressure effects 6292
 Radioactive tracers 6280
 Rearing Fry 878
 Respiratory organs 13012
 Sewage effluents 11086
 Sexual maturity Fry 878
 Sexual maturity Salinity effects 878
 Size distribution: INE, USA 3601
 Size-limit regulations: INE, USA 3601
 Social behaviour 12364
 Starvation 6832
 Sympatric populations 12364
 Water temperature 13012
 Yield: INE, Puget Sound 2104

***Oncorhynchus nerka*,**

Bioassays 13468
 Boron Bioaccumulation 607
 Boron Toxicity 606, 607
 Chemical analysis 9415
 Coastal fisheries Fishing mortality: INW, USSR, Kamchatka 997
 Diseases: USA, Oregon, Columbia R. 13306
 Echosounding Population dynamics: USA, Washington, Washington L. 427
 Echosounding Stock assessment 1006
 Energy budget 9441
 Eutrophication Water quality: USA, Tahoe L. 656
 Fats 9415
 Fecundity: USSR, Kamchatka, Dal'nee L. 5300
 Fish counters Acoustic equipment: USA, Alaska 947
 Fisheries resources Recruitment: Canada, Skeena R. 2173
 Foams 13468
 Growth 9441
 Industrial wastes 13468
 Metabolic rate 9441
 Migrations: INE, Canada 13164
 Oligotrophic lakes Growth: Canada, British Columbia, Great Central L. 2089
 Oogenesis: USSR, Kamchatka, Dal'nee L. 5300
 Overfishing Marine fisheries: INW, USSR, Kamchatka 997
 Pollution effects 13468
 Population dynamics: USA, Idaho, Pend Oreille L. 13868
 Reproduction rate: USSR, Okhota R. 781
 Resource conservation: USSR, Okhota R. 781
 Subpopulation Stock assessment: INW, USSR, Kamchatka 997
 Tagging: INE, Canada 13164
 Temperature tolerance 9441
 Ultraviolet radiation: INE, Canada 13164

***Oncorhynchus rhodurus f. macrostomus*,**

Diseases 13282
 Eyes 13282
 Histology 13282

***Oncorhynchus tshawytscha*,**

Aquaculture: USA, Maine 2115

- phorhynchus tshawytscha*,**
 aquaculture 5954
 bioassays 4375
 diseases: INE, USA, Washington, Puget Sound 11992
 environmental effects: USA, Idaho 4107
 environmental effects Eggs 2021
 enzymes 9233
 evolution 9233
 fisheries data: USA, Idaho 13698
 fisheries statistics: USA, Idaho 13698
 fishery management: USA, Idaho 13334
 highways: USA, California, Merced R. 7865
 juveniles: Canada, British Columbia, Nanaimo R. 6443
 juveniles: USA, Oregon, Columbia R. 13265
 liver 9233
 migrations: Canada, British Columbia, Nanaimo R. 6443
 mortality causes: INE, USA, Washington, Puget Sound 11992
 oil 9233
 population studies: USA, Idaho 13334
 rears: USA, California, Merced R. 7865
 spawning grounds: USA, Idaho 13334
 stomach content: USA, Oregon, Columbia R. 13265
 stomach contents Feeding behaviour 1744
 tagging: Canada, British Columbia, Nanaimo R. 6443
 zooplankton: USA, Oregon, Columbia R. 13265
- phorhynchus gorbusha*,**
 ageing methods 9425
 biochemistry 9425
 enzymes 9425
 spawning 9425
- phorhynchus kisutch*,**
 marine aquaculture 5599
 nutrition 5599
 thermal aquaculture 5599
- phorhynchus nerka*,**
 spawning migrations 9566
- ndatra zibethica*,**
 freshwater ecology: France, Alsace 1605
 geographical distribution: Canada, North West Territory, Keewatin 1636
 new records: Canada, North West Territory, Keewatin 1636
- neirophanta mutabilis*,**
 parasites 6091
- noba fortis*,**
 new records: ISE, Peru 7379
- nychochrinus*,**
 feeding 11982
 paleontology 11982
- ocystaenium elegans*,**
 new record: Nepal 13139
- pecoelidae*,**
 new species: ISW, Bay of Bengal 9194
 parasites: ISW, Bay of Bengal 9194
 taxonomy: ISW, Bay of Bengal 9194
- phiacantha brasiliensis*,**
 new species: ASW, Brazil 3863
- phiacantha savagica*,**
 New species: ISE, Peru-Chile Trench 12808
- phiactis lebuensis*,**
 New species: Chile, Troncel R. 6026
- Phicephalus*,**
 Artificial spawning: India, inland waters 12983
 Hatcheries: India, inland waters 12983
 Larvae: India, inland waters 12983
 Morphology (organisms): India, inland waters 12983
- Phicephalus argus*,**
 Enzymes 9446
- Phicephalus punctatus*,**
 Length-weight relationships 8330
- Phicephalus striatus*,**
 Biological control: Philippines, Inland waters 7483
 Correlation analysis 8330
 Enzymes Nucleic acids 2823
 Fats 13032, 13911
 Feeding: Philippines, Inland waters 7483
 Hosts: Philippines, Inland waters 7483
 Length-weight relationships 8330
 Muscular system 8330
 Parasites: Philippines, Inland waters 7483
 Physical properties 13032, 13911
 Seasonal variations Condition factor 378
 Storage effects 13911
- Ophichthidae*,**
 Keys: PSE, New Zealand 10558
- Ophichthus evermanni*,**
 New records: ISEW, Australia, Queensland 5158
- Ophichthus triserialis*,**
 Geographical distribution: INE, USA, California, Humboldt Bay 13144
- Ophichthus zophochir*,**
 Geographical distribution: INE, USA, California 13145
 Geographical distribution: INE, USA, California, Humboldt Bay 13144
 Vertical distribution: INE, USA, California 13145
- Ophichthys dromicus*,**
 Morphology (organisms) Taxonomy 1498
- Ophichthys*,**
Lutjanus analis: Parasites: ASW, Brazil, Ceara 3000
- Ophidiidae*,**
 Eyes Ultrastructure 2763
- Ophiocephalus*,**
 Artisanal fishing: ISEW, Indonesia, South Kalimantan 832
- Ophiocephalus punctatus*,**
 Age composition 8560
 Biochemistry 8560
 Digestive system 4021
 Enzymes 4021
 Feeding 9606
 Food composition 8573
 Food conversion 8573, 9606
 Histochemistry 4021, 13035

Metabolism 10630, 13035

Proteins 10630

Temperature effects 9606

***Ophiocephalus striatus*,**

Feeding 9631

Growth 8572, 9631

Locomotion 9631

Nutritional requirements 8572

Starvation 8572

***Ophioderma*,**

Terminology 4815

***Ophiodon elongatus*,**

Life cycle: INE, USA, California 11725

***Ophiolepis*,**

Terminology 4816

***Ophioleptoplax brasiliensis*,**

New species: ASW, Brazil 3863

***Ophiomastus bulbosus*,**

New species: ISE, Peru-Chile Trench 12808

***Ophiomastus satelites*,**

New species: ASW, Brazil 3863

***Ophiomorpha*,**

Fossils: Costa Rica 5764

***Ophiomorpha nodosa*,**

Palaeontology: ANW, USA, North Carolina 9297

***Ophiomusium anaelisae*,**

New species: ASW, Brazil 3863

***Ophiothamnus dupla*,**

Biological collections: ISE, Peru-Chile Trench 12808

New species: ISE, Peru-Chile Trench 12808

***Ophiura*,**

Terminology 4815

***Ophiura sarsi*,**

Enzymes 10407

***Ophoernus barraclooughi*,**

New species: ISE, Peru-Chile Trench 12808

***Ophrydium versatile*,**

Epiphytes: Austria, Lunzer Untersee 1926

Life cycle: British Isles, Buckingham 6023

Morphology (organisms): British Isles, Buckingham 6023

Ultrastructure Cilia 169

***Ophryotrocha*,**

Detergents 8743

Pollutants 8743

Pollution monitoring 8743

***Ophryotrocha diadema*,**

Morphology (organisms): INE, USA, California 11562

New species: INE, USA, California 11562

***Ophryotrocha labronica*,**

Pollution effects 4372

***Ophryotrocha longidentata*,**

New species: ANE, Sweden 1365

***Opisthobranchia*,**

Abundance: ASW, USA, Texas, Cameron County 12843

Alimentary organs 8199

Cytology 8199

Electron microscopy 8199

Geographical distribution: ASW, USA, Texas, Cameron County 12843

Geographical distribution: INE, Canada, British Columbia 8496

Life cycles: ASW, USA, Texas, Cameron County 12843

Muscular system 8199

New records: INE, Canada, British Columbia 8496

***Opisthonema libertate*,**

Catch effort: ISE, California Gulf 11251

Echo surveys: ISE, California Gulf 11217

Fishery surveys: ISE, California Gulf 11217

***Opisthonema oglinum*,**

Feeding behaviour: ASW 9351

Fish meal: Brazil 3529

Fish oil extraction: Brazil 3529

Reproductive organs: ASW, Brazil, Ceara 3033

Sexual maturity: ASW, Brazil, Ceara 3033

Spawning seasons: ASW, Brazil, Ceara 3033

Storage effects: Brazil 3529

***Opisthoproctus*,**

Bioluminescence 9781

***Opisthorchis caninus*,**

Parasites 8592

***Opisthorchis felineus*,**

Life cycle: USSR, Inland waters 2997

Parasites: USSR, Inland waters 2997

Parasites: USSR, Kazakhstan 6527

***Opistognathus melachasma*,**

New records: ANW, USA, North Carolina 7252

Sexual dimorphism: ANW, USA, North Carolina 7252

***Oplegnathus fasciatis*,**

Development Development 1514

***Opsanus tau*,**

Environmental effects 10654

Oxygen consumption 10654

Respiration 10654

Serological studies 10654

Turbidity 10654

***Oratosquilla jakartensis*,**

New species: ISEW, Java 7207

***Oratosquilla nepa*,**

Fishery products: ISW, India 4516

Proteins: ISW, India 4516

Resource development: ISW, India 4516

Orbolotyle marplatensis*,Prionotus*: New species Parasites: PSW, Argentina 1342***Orchestia gammarellus*,**

Fertility 11685

Histology 2672

Mortality causes 11685

X-rays 11685

***Orchestoidea corniculata*,**

Bioaccumulation: INE, USA, California 12223

Trace constituents: INE, USA, California 12223

***Orchestoidea tuberculata*,**

Feeding behaviour: PSW, Chile, Mehuin 6495

- Archomene**,
 Mouth parts: AN 8269
 Taxonomy: AN 8269
- Archomene plebs**,
 Breeding: PS, Antarctica 9576
- Arctinus orca**,
 Behaviour: ISW, Hog Island (Crozet Group) 9600
 Geographical distribution: PS, Antarctic Ocean 9457
 Geographical distribution: PSE, New Zealand, Kawerua 9549
 Mortality causes: PS, Antarctic Ocean 9457
 Predation: ISW, Hog Island (Crozet Group) 9600
- Arconectes deanae**,
 New species: USA, New Mexico, Conchas L. 3966
- Arconectes immunis**,
 Feeding behaviour 2961
 Food composition 2961
- Arconectes limosus**,
 Photosynthesis 10508
 Carbohydrates 9310
 Cells 10488
 Electron microscopy 10488
 Enzymes 9312
 Eggs 9312
 Geographical distribution: Netherlands, Inland waters 4249
 Bands 10508
 Growth 10518
 Hormones 10508, 10518
 Light effects 10506
 Light microscopy 10488
 Metabolism 9312, 11705
 Bulging 10506, 10508, 10518, 11705
 Muscular system 9312
 Nerves 10488
 Pancreas 9312
 Physiological studies 11705
 Accession: Netherlands, Inland waters 4249
 Food chains 1934
- Arconectes obscurus**,
 Radioactive wastes: USA, New York 11082
- Arconectes propinquus**,
 Reproductive behaviour 8254
 Sexual dimorphism 8254
 Sexual reproduction 8254
- Arconectes virilis**,
 Binism Morphology (organisms): USA, Illinois, Kishwaukee R. 1441
 Enzymes 12914
 Temperature effects 12914
- Artoniateuthis longimanus**,
 New record: PSE, New Zealand 7369
 Taxonomy: PSE, New Zealand 7369
- Arthorhynchus anatinus**,
 Amino acids 11849
 Amino acids Haemoglobin 86 Serological studies 2857
 Evolution 11849
- Orthetrum chrysis**,
 Amino acids 3983
 Serological studies 3983
- Orthocladius**,
 Hosts 4832
- Orthogalumna terebrantis**,
 Biology: Argentina 11709
 Feeding behaviour 7227
 Oviparity 7227
 Plant control: Argentina 11709
 Reproduction: Argentina 11709
- Orthopristis chrysopterus**,
 Chemical stimuli 13017
 Chemoreception 13017
 Feeding behaviour 13017
- Orthopristis goodyi**,
 New species: France, Ile de France, Auvers 4580
- Orthosuchus stormbergi**,
 Anatomy: Lesotho 4039
 Palaeontology: Lesotho 4039
- Oryzias latipes**,
 Anaesthesia Metabolites 1558
 Anatomy 4004
 Bioaccumulation 8371
 Cells 11777
 Chemical structure Metabolites 1558
 Cytology 11780, 12990
 Eggs 8371
 Embryos 13003
 Enzymes 13003
 Glands 9412
 Heart 4004
 Histology 9412
 Manganese 8371
 Reproductive organs 12990
 Seasonal variations 9412
 Spermatogenesis 11777, 11780
 Ultrastructure 4004, 12990
- Oscarella lobularis**,
 Biochemistry 3917
 Chemical analysis 3917
- Oscillatoria**,
 Aerobic respiration 7130
 Nitrogen cycle 7130
- Oscillatoria agardhii**,
 Algal blooms: ANE, Sweden, Stockholm archipelago 9861
 Population dynamics: Netherlands, Flevoland Lakes 11084
 Primary production: ANE, Sweden, Stockholm archipelago 9861
 Primary production Growth regulators: ANE, Finland 9756
- Oscillatoria redekei**,
 Growth: British Isles, Longh Neagh 2974
 Population dynamics: British Isles, Longh Neagh 2974
 Seasonal variations: British Isles, Longh Neagh 2974
- Osmerus eperlanus**,
 Morphology (organisms): USSR, Inland waters 9381

Oogenesis: USSR, Belozersk 9400
 Oogenesis: USSR, Rybinsk 9400
 Population structure: USSR, Inland waters 9381
 Recruitment: USSR, Ladoga L. 9399
 Reproduction: USSR, Ladoga L. 9399
 Sexual maturity: USSR, Belozersk 9400
 Sexual maturity: USSR, Rybinsk 9400
 Subpopulation: USSR, Inland waters 9381

***Osmerus mordax*,**
 Ecology: USA, New York, George L. 7391
 New records: Canada, Quebec, Gatineau River Valley 5143
 Spawning migrations: USA, New York, George L. 7391

***Osoria*,**
 Morphology (organisms): ASE, Guinea Gulf 11760

***Ostariophysi*,**
 Pigments 5090

***Osteichthyes*,**
 Anatomy 9092
 Artificial fecundation 4011
 Artificial spawning 4011
 Chemical control 4413
 Diseases 4164
 DNA 12043
 Endocrinology 4010
 Environmental effects 4010
 Environmental effects: USA, Ohio 4327
 Fish catch statistics Reservoirs: USA, South Dakota, Oahe L. 7781
 Fisheries: USA, Mississippi R. 4396
 Fishery surveys 4444
 Fishery surveys Age composition: USA, South Dakota, Oahe L. 7843
 Fishery surveys Check lists: USA, South Dakota, Oahe L. 7843
 Fishery surveys Community composition: USA, South Dakota, Oahe L. 7843
 Fishery surveys Pollution surveys: USA, Monongehela R. 2153
 Fishery surveys Population parameters: USA, Monongehela R. 2153
 Fishery surveys Population parameters: USA, South Dakota, Oahe L. 7843
 Fishery surveys Water quality: USA, Monongehela R. 2153
 Hosts Parasites 1780
 Mortality causes 4164
 Oil pollution Bioaccumulation: ISW, Red Sea 621
 Oil pollution Pollution effects: ISW, Red Sea 621
 Oil spills Mortality causes: USA, South Carolina, Boone Creek 626
 Phenols Fishery management: America, Great Lakes 7760, 7761
 Phenols Fishes: America, Great Lakes 7760, 7761
 Phenols Toxicants: America, Great Lakes 7760, 7761
 Phenols Toxicity: America, Great Lakes 7760, 7761
 Population parameters Age composition: USA, South Dakota, Oahe L. 7434
 Red tides Mortality causes: ASW, USA, Texas 745
 Red tides Poisons (biological): ASW, USA, Florida 760

Reservoirs Commercial fishing: USA, North Dakota, Oahe L. 7781
 Reservoirs Fishery surveys: USA, South Dakota, Oahe L. 7788, 7843
 Toxicants 4413
 Toxicity Red tides: ASW, USA, Florida 760
 Viral diseases 1786

***Osteoglossum bicirrhosum*,**
 Morphology (organisms) 5047
 Reproductive behaviour 5047

***Osteoglossum ferreirai*,**
 Mouth parts 5047

***Ostracoda*,**
 Abundance: AN 12061
 Abundance: PN, Arctic 11651
 Aquaculture Eutrophication 769
 Baseline studies: ANW, Canada, Nova Scotia 12788
 Biological collections 12880
 Biological collections: PS, Antarctica 3962
 Check lists: ANW, Canada, Nova Scotia 12788
 Check lists: PN, Arctic 11651
 Check lists: PSW, South Africa Rep. 8916
 Chemoreception Ultrastructure 1465
 Circadian rhythm 2929
 Evolution: ASE, Mediterranean 11284
 Fossils Diversity index: ANW, USA, North Carolina 2242
 Freshwater ecology: Germany, Fed.Rep., Hamburg 2655
 Geographical distribution: AN 12061
 Geographical distribution: ASE, Ivory Coast 2691
 Geographical distribution: PS, Antarctica 3962
 Geographical distribution: South West Africa, Luederitz Bay 6043
 Intertidal environment Geographical distribution: INW, Japan 1445
 Morphology (organisms): ASE, Ivory Coast 2691
 Morphology (organisms): INW, Japan 3953
 Morphology (organisms): PS, Antarctica 3962
 New species: PS, Antarctica 3962
 New species: PSW, South Africa Rep. 8916
 New species: South West Africa, Luederitz Bay 6043
 Palaeontology: ASE, Mediterranean 11284, 11285
 Palaeontology: Caribbean region 4586
 Palaeontology: PSW, South Africa Rep. 8916
 Population structure Geographical distribution: ANE 1854
 Reproduction: AN 12061
 Salinity effects: ASE, Mediterranean 11285
 Seasonal variations: AN 12061
 Taxonomy 12880
 Taxonomy: INW, Japan 3953
 Terminology 12880
 Transportation Fossils 1260
 Vertical migrations 2929

***Ostrea*,**
 Electrophoresis 11648
 Proteins 11648
 Shellfish culture Resource development Genetics 921
 Speciation 11648

- strea chilensis*,
 Growth: PSW, Chile, Chiloe, Apiao I. 5610
 Mortality causes: PSW, Chile, Chiloe, Apiao I. 5610
 Shellfish culture: PSW, Chile, Chiloe, Apiao I. 5610
- strea edulis*,
 Artificial feeding Larvae 923
 Backishwater aquaculture: ASE, Spain, Galicia, Ribadeo Estuary 13742
 Chemical composition 9604
 Chemical composition: ANE, Menai Strait 9263
 Growth 9604
 Growth: ANE, Menai Strait 2978
 Invertebrate larvae 9552
 Locomotion 9552
 Parasites 6039
 Pilot-scale culture Seed (aquaculture) 914
 Seasonal variations: ANE, Menai Strait 2978, 9263
 Shellfish culture 7827
 Shellfish culture: ASE, Spain 6837, 13609
 Shellfish culture: ASE, Spain, Galicia, Ribadeo Estuary 13742
 Shellfish culture Seed (aquaculture) 7829
 Stock assessment: ASE, France, Lyon Gulf 12405
 Subpopulation: Europe coasts 9241
 Water pressure 9552
- strea gryphea*,
 Tissue 9004
- strea hebridica*,
 Tissue 8207
 Morphology (organisms) 8207
 Taxonomy 8207
- strea lurida*,
 Speciation: INE, USA 9241
 Speciation: ISE, USA 9241
- strea pyxidata*,
 Terminology 2638
- streidae*,
 Diseases 13276
 Diseases: ASE, Spain, Galicia 13304
 Feeding 13557
 Electrophoresis: INW, Japan 4912
 Evolution 8207
 Fishing vessels 13557
 Heavy metals: PSW, South Africa, Knysna Estuary 9891
 Indicator organisms: PSW, South Africa, Knysna Estuary 9891
 Microbial contamination 11265
 Microbial contamination: ASW, USA, Louisiana 7884
 Microbial contamination Quality control 1056
 Microbiology Food technology 2212
 Mortality causes 13276
 Oyster culture: ASE, Portugal 12841
 Paleontology 8207
 Parasitism: ASE, Portugal 12841
 Pigments 7833
 Pollution effects Heavy metals 2002
 Pollution monitoring: PSW, South Africa, Knysna Estuary 9891
 Processing fishery products: USA 7875
 Tearing Pollution effects 2002
- Shellfish culture 7833, 13276
 Shellfish culture: ANE, British Isles, England 11190
 Shellfish culture: ANE, British Isles, Wales 11190
 Shellfish culture: ANW, USA, Maine 12383
 Shellfish culture: PSE, Australia, New South Wales 7832
 Shellfish fisheries: ANE, British Isles, England 11190
 Shellfish fisheries: ANE, British Isles, Wales 11190
 Shellfish fisheries: ASE, Portugal 12841
 Speciation 9241
 Taxonomy 9241
 Taxonomy: INW, Japan 4912
 Trace constituents: PSW, South Africa, Knysna Estuary 9891
- Otaca lactea*,
 Hormones 1416
- Otobothrium dipsacum*,
 Morphology (organisms): ISE, Mexico 155
- Otolithoides*,
 Keys 12960
- Otolithoides brunneus*,
 Taxonomy 12960
- Otolithus*,
 Transportation: India 13925
- Otoplanidae*,
 Interstitial environment: ISE, Galapagos 3870
 New species: ISE, Galapagos 3870
- Ovatella*,
 Polymorphism 6092
 Taxonomy 6092
- Ovatipsa chinensis*,
 New records: ISW, Sri Lanka 6430
- Ovulidae*,
 Morphology (organisms): INW, Japan 10442
 Mouthparts: INW, Japan 10442
 Shells: INW, Japan 10442
 Taxonomy 2633
- Oxyjulus californica*,
 Fats 10067
 Fish oils 10067
- Oxyrrhis marina*,
 Metabolism 2510
 Morphology (organisms) 2510
- Oxytremasuturalis*,
 Dispersion: USA, Georgia, Yellow R. 8488
 Geographical distribution: USA, Georgia, Yellow R. 8488
 Migrations: USA, Georgia, Yellow R. 8488
- Oxytricha*,
 Chromosomes 4846
- Oxytricha fallax*,
 Cilia 6040, 9207
 Morphology (organisms) 6040
 Ontogeny 9207
 Regeneration 9207
- Ozarkodina optima*,
 New species: World Zoogeographic Regions 8511

***Pachygrapsus crassipes*,**
Development 8278

***Pachygrapsus marmoratus*,**
Biochemistry 6169
Cells 9308
Eyes 9308
Glands 9308, 10502
Hormones 6157
Light effects 4974
Metamorphosis 6157
Moulting 6157, 6169
Regeneration 6157
Reproduction 4974
Secretory products 10502

***Pachygrapsus transversus*,**
Salinity tolerance Controlled conditions 359

***Pacifastacus leniusculus*,**
Competitive behaviour: USSR, Inland waters 12139
Food chains: USA, California, L.Tahoe 6606
Introduced species: USSR, Inland waters 12139
Population density: USA, California, L.Tahoe 6606
Primary production: USA, California, L.Tahoe 6606

***Pacifastacus trowbridgii*,**
Irradiation 9317
Nervous systems 9317
X-rays 9317

***Padina*,**
Morphology (organisms) 12744
Taxonomy 5978, 12744

***Padina sanctae-crucis*,**
Environmental effects Intertidal environment 1672

***Paecilomyces fumoso*,**
Diseases 4160

***Pagophilus groenlandicus*,**
Aerial surveys: ANW 13841
Bioaccumulation 13487
Biochemistry 6370
Biology 13069
Census: ANW 13841
Chromatographic techniques 6370
Diving 9501
Geographical distribution: AN 13069
Geographical distribution: PN 13069
Heart 6370
Hypercapnia 9501
Marine ecology 13069
Mercury 13487
Muscular system 6370
Pollution effects 13487
Respiration 9501
Stock assessment: AN 13069
Stock assessment: ANW 13841
Stock assessment: PN 13069
Ultraviolet radiation: ANW 13841

***Pagrosomus major*,**
Thermal aquaculture: Japan 13582

***Pagurapseudidae*,**
Coral reefs: ISW 11668

***Paguridae*,**
Habitat 9805
Symbionts 9580

***Pagurus*,**
Behaviour 7589
New species 2663
Shells 7589
Symbiosis 7589

***Pagurus bernhardus*,**
Feeding behaviour 11988
Filter feeders 11988
Shells 12150

***Pagurus brevidactylus*,**
Taxonomy 2663
Terminology 2663

***Pagurus geminus*,**
New species: INW, Japan 6137
Taxonomy: INW, Japan 6137

***Pagurus impressus*,**
Ecosystems 3139
Symbionts 3139

***Pagurus longicarpus*,**
Competitive behaviour: ANW, USA, North Carolina,
Beaufort 2952

***Pagurus ochotensis*,**
Controlled conditions 10771
Nervous systems 10771
Stimuli 10771

***Pagurus pollicaris*,**
Ecosystems 3139
Symbionts 3139

***Palaemon adspersus*,**
Biosynthesis Nucleic acids 638
Phenols Pollution effects 638
Pollution effects Biosynthesis 638
Pollution effects Controlled conditions 638
Pollution effects Oils 638

***Palaemon elegans*,**
Environmental effects 7401
New record: Iraq, Abu-Dibic L. 1627
Salinity effects 7401
Survival 7401
Temperature effects 7401

***Palaemon paucidens*,**
Cells 10475
Glands 10475
Secretory products 10475
Ultrastructure 10475

***Palaemon ritteri*,**
Salinity tolerance 5182

***Palaemon serratus*,**
Acids 4994, 4995
Bioaccumulation 3226
Biology Light effects 1417
Chemical properties 9313
Chromatophores 11683
Cytology 11683
Digestive glands 11682

- Enzymes 9313, 11682
 Heavy metals 11093
 Hormones 11683
 Morphology (organisms) 6134
 Ovaries 4994
 Pancreas 9313
 Phototaxis 11093
 Proteins 4995
 Rearing 12340
 Titanium 3226
Palaeomonetes,
 es 8257
 Structure 8257
Palaeomonetes kadiakensis,
 Pollution effects 5494
Palaeomonetes lindsayi,
 Morphology (organisms): ASW, Mexico 2686
Palaeomonetes paludosus,
 Homeostasis 4997
 Hormone effects 4997
Palaeomonetes pugio,
 Hormones 8289
 Moulting 8289
 Physiology 8289
Palaeomonetes vulgaris,
 Accumulation 8727
 Photomorphogenesis 2704
 Hormones 2704
 Mercury 5503, 8727
 Pollution effects 5503
 Toxicity 8727
Palaeocyathus australis,
 Geographical distribution: PSE, Australia, New South
 Wales 7152
Palaeofavosites,
 Taxonomy 10371
Palaeogammarus danicus,
 New species: ANE, Baltic 2694
Palaeomutela subparallela,
 Fossils: South Africa, Natal 6083
 New records: South Africa, Natal 6083
Palinuridae,
 Shellfish fisheries: ASE, Mauritania 11161
Palinurus,
 Fisheries statistics: ANW, Canada, Newfoundland 5665
 Stock assessment: ANW, Canada, Newfoundland 5665
Palinurus gilchristi,
 Catch effort: PSW, South Africa 3482
 Fisheries resources: PSW, South Africa 3482
Palinurus vulgaris,
 Sensory organs 11569
 Behaviour 10774
 Hydrodynamics 11569
 Length-weight relationships: ASE, Greece 13233
 Locomotion 10774
 Moult 10774, 11569
Paliolla cooki,
 Morphology (organisms): PSE, Australia 4882
Palmaria palmata,
 Morphology (organisms): INE 11493
 Reproduction: INE 11493
 Taxonomy: INE 11493
Palmeria hardmaniana,
 Diseases: ASW, Jamaica 9649
 Parasites: ASW, Jamaica 9649
Palpopleura lucia,
 Development 5263
 Larvae 5263
 Nutrition 5263
Palythoa variabilis,
 Pollution effects Feeding behaviour 1984
Pama pama,
 Taxonomy 12960
Pampus argenteus,
 Fats 13878
 Nutritive value 13878
 Proteins 13878
 Seasonal variations 13878
Panagrellus redivivus,
 Predation 12786
Panchax panchax,
 Bioassays 11089
 Pesticides 11089
 Pollution effects 11089
Pandaka trimaculata,
 Colour: INW, Japan, Okinawa Prefecture 9364
 Morphology (organisms): ISEW, Philippines, Mindanao
 I. 9364
 New species: INW, Japan, Okinawa Prefecture 9364
Pandalus borealis,
 Abundance: ANW, Canada, Quebec 8852
 Bioassays 12237
 Fishery products: ANW, Canada 8874
 Food organisms Stomach content: ANE, Norway,
 Oslofjord 1749
 Growth: ANW, Canada, Quebec 8852
 Growth Mathematical models: ANW, St. Lawrence
 Estuary 1706
 Heavy metals: ANE, Norway, Oslofjord 13463
 Hormones 11684
 Light effects 11684
 Processing fishery products 8885
 Processing fishery products: AN, Greenland 5668
 Processing fishery products: ANE, Denmark 5668
 Processing fishery products: ANW, Canada,
 Quebec 8865
 Shellfish catch statistics: ANW, Canada, Quebec 8852
 Shellfish fisheries: AN, Greenland 5668
 Shellfish fisheries: ANE, Denmark 5668
 Shellfish fisheries: ANW, Canada, Quebec 8852
Pandalus gracilis,
 Taxonomy 6141
Pandalus jordani,
 Freezing storage 13901
 Storage effects 13901

***Pandalus montagui*,**

Processing fishery products: ANW, Canada,
Quebec 8865

***Pandalus platyceros*,**

Shellfish culture: USA, California 12384
Size distribution: INE, USA, Washington 5666
Vertical distribution: INE, USA, Washington 5666

***Pandalus prensor*,**

Taxonomy 6141

***Pandaris bicolor*,**

Parasites: INE, USA, California 9650

***Pandorina*,**

Fertility 1317

***Pangasues*,**

Cage culture: Vietnam, Rep., Mekong R.basin 13628

***Pannellaina*,**

Morphology (organisms) 11554
Taxonomy 11554
Terminology 9181

***Panopeus herbstii*,**

Oxygen consumption 10745
Salinity effects 10745
Temperature effects 10745

***Panulirus*,**

Catch statistics Trade: ASW, Brazil, Ceara 975
Cold storage: Brazil 3528
Demersal fisheries: ASW, Brazil, Ceara 3457
Fisheries Commercial species: ISE, Mexico 2055
Fishing effort Population density: ASW, Brazil,
Ceara 972
Fishing grounds: ASW, Brazil, Ceara 3457
Life cycle 2055
Models 10498
Nervous systems 10498
Physiology 10498
Population parameters Seasonal variations: ASW, Brazil,
Ceara 2156
Preservation (fishery products): Brazil 3528
Processing fishery products: Brazil 3528
Shellfish catch statistics: ASW, Brazil, Ceara 3457
Shellfish catch statistics: ISE, Mexico, Baja
California 11252
Shellfish catch statistics Fishing effort: ASW, Brazil,
Ceara 2155
Trade Frozen products: ASW, Brazil, Ceara 2155

***Panulirus argus*,**

Anatomy: ASW, USA, Florida 10487
Environmental effects 9309
Fish catch statistics: ASW, USA, Florida 3480
Fisheries resources: ASW, USA, Florida 3480
Length-weight relationships: ASW, USA, Florida 10487
Physiology 9309
Survival 9309

***Panulirus cygnus*,**

Annual variations: ISW, Australia, Western
Australia 11123, 11232
Fisheries data: ISW, Australia, Western
Australia 11123, 11232
Fishery economics: ISW, Australia, Western

Australia 11123, 11232

Invertebrate larvae: ISW, Australia 13169

Migrations: ISW, Australia 13169

***Panulirus homarus*,**

Biochemistry 3977
Chromatographic techniques 3976
Enzymes 3976, 3977

***Panulirus japonicus*,**

Nervous system 8286

***Panulirus laeviscauda*,**

Growth rate: ASW, Brazil, Ceara 2967
Size distribution: ASW, Brazil, Ceara 2967

***Panulirus longipes*,**

Aggressive behaviour 10761
Competitive behaviour 10761
Larvae 10761
Light fishing 7785
Osmoregulation Biochemistry 234
Population dynamics: ISW, Australia 7854
Sound production (biological) 10761
Stock assessment: ISW, Australia 7854

***Panulirus longipes cygnus*,**

Controlled conditions 13212
Growth: ISEW, Australia 13212
Growth: PSE, Australia 13212

***Panulirus pascuensis*,**

Fisheries statistics: ISE, Easter I. 5637
Fishery biology: ISE, Easter I. 5637

***Panulirus regius*,**

Shellfish fisheries Population studies: ASE, Africa 2157
Size distribution Growth: ASE, Africa 1702

***Panulirus vulgaris*,**

Locomotion 10516
Nervous systems 10516
Stimuli 10516

***Pappomonas virgulosa*,**

Morphology (organisms): ANW, Greenland 6027
New species: ANW, Greenland 6027

***Paracalanus*,**

Hosts 7472

***Paracalliactis rosea*,**

New species: PSE, New Zealand 7148

***Paracalliope larai*,**

Morphology (organisms): Tasmania, Dip River 4954
New species: Tasmania, Dip River 4954

***Paracentrotus lividus*,**

Artificial rearing 10396
Biochemistry 9201
Development 10396
Eggs 9201
Embryos 9201
Growth 2980
Marine aquaculture Resource management: ANE,
France, Brittany 2052
Proteins 9201
Skeleton 2980

***Paraschaetetes*,**

Morphology (organisms) Fossils: USA, Kansas 1307

Paradaplopetma schlitzensis,
 Economy New species: Germany, Fed.Rep., Hessen,
 Breitenbach 241

Paracoryne huvei,
 Life cycle 12812
 Economy 12812

Paracyttopsis,
 Geographical distribution: ISW 11763
 Economy: ISW 11763

Paradexamine fraudatrix,
 New species: INW, Japan Sea 11672

Paradioplosinus gracilis,
 Geographical distribution: PSW, Africa 9550

Paradiscogaster niger,
 Parasites: ISW, Pakistan, Karachi 9188
 Economy: ISW, Pakistan, Karachi 9188

Paradistigma triangulatum,
 Pesticides 11071

Paradistigmoides kenyensis,
 New species: Kenya, Tsavo National Park, Tsavo
 R. 12792
 Parasites: Kenya, Tsavo National Park, Tsavo R. 12792

Paradoloria dorsoserrata,
 Terminology: South West Africa, Luederitz Bay 6043

Paradoloria pellucida,
 Terminology: INW, Japan 6043

Paradontophora danka,
 Economy New species: Southeast Asia coasts 1367

Parafavella denticulata,
 Cells 9172
 Culture 9172
 Electron microscopy 9172
 Staining 9172
 Ultrastructure 9172

Paragalene longicrura,
 Geographical distribution: ASE, Aegean 6409

Paragobiodon,
 Habitat: ISEW, Great Barrier Reef 11937
 Reproductive behaviour: ISEW, Great Barrier
 Reef 11937

Paraholthyrnia cyanocephala,
 Juveniles: ASE, Africa 9378

Paralepis rissoi,
 Source development Fish conversion 3518

Paralichthys dentatus,
 Geographical distribution: ANW, USA, New Jersey 4171
 Catch statistics: ANW 12454
 Catch statistics: ANW, USA, New Jersey 4166
 Larvae: ANW, USA, New Jersey 4171
 Marketing: ANW, USA, New Jersey 4166
 Potential yield: ANW 12454
 Stock assessment: ANW 12454

Paralichthys lethostigma,
 Migrations: ASW, USA, Mississippi 7301

Paralichthys lethostigmata,

Feeding: ANW, USA, North Carolina 9792
 Production (biological): ANW, USA, North
 Carolina 9792

***Paralichthys olivaceus*,**

Biology 10538
 Food organisms 10538
 Life cycle 10538
 Spawning 10538

***Paralithodes camtschatica*,**

Blood circulation Environmental effects 229
 Canned products 7870
 Colour 7870
 Eggs: INW, USSR, Kamchatka 9199
 Enzymes 7870
 Fecundity: INW, USSR, Kamchatka 9199
 Feeding: INE, Bristol Bay 10829
 Invertebrate larvae 13724
 Juveniles 13724
 Length-weight relationships Larvae 375
 Rearing 13724
 Reproduction: INW, USSR, Kamchatka 9199
 Size distribution: INW, USSR, Kamchatka 9199

***Parallela novae-zelandiae*,**

Geographical distribution: New Zealand 8507
 Taxonomy: New Zealand 8507

***Paramecium*,**

Biochemistry 2592
 Cilia 2591
 Nickel 2591

***Paramecium aurelia*,**

Abnormalities 12834
 Behaviour 12834
 Biochemistry 9231
 Chemotaxis 4119
 Electrophoresis 9231
 Haemoglobin 9231
 Ion transport 12834
 Mutations 12834

***Paramecium bursaria*,**

Circadian rhythm Light effects 352

***Paramecium caudatum*,**

Acclimation 2593
 Boron 2593
 Cell division 4850
 Genetics 9204
 Genetics Mutations 2577
 Reproduction 4850, 9204
 Strains 9204
 Temperature effects 2593
 Tolerance 2593

***Paramecium primaurelia*,**

Mortality causes 9944
 Symbionts 9944
 Toxicity 9944

***Paramecium tetraurelia*,**

Abnormalities 9203
 Asexual reproduction 9205, 9206
 Avoidance behaviour 9202
 Cell division 9206

- Genetics 9202, 9203
 Locomotion 9202
 Mouth parts 9205
 Mutations 9203
 Ontogeny 9203, 9205, 9206
 Symbionts 9108
- Paramoera walkeri*,**
 Metabolism 2717
- Paramolgus*,**
 New species: ASW, Curacao 2698
- Paramphiascopsis triarticulus*,**
 New species: ANE, Isle of Man 7206
- Paramya subovata*,**
 New records: ANW, USA, Delaware 2908
- Paranephrops*,**
 Environmental effects 12915
 Haemolymph 12915
 Osmoregulation 12915
- Paranephrops zealandicus*,**
 Haemolymph 12916
 Ion transport 12922
 Osmoregulation 12916, 12922
 Parasitic diseases: New Zealand, Leith Stream 9662
 Seasonal variations 12916
 Serological studies 12922
 Temperature effects 12916
- Parapenaeopsis stylifera*,**
 Dessication 13909
 Fishery products 13909
 New species Morphology (organisms): India, Cochin 1442
 Storage effects 13909
- Parapercis*,**
 Fins: ISEW, Ryu-kyu Is. 7272
- Parapercis gushikeni*,**
 Morphology (organisms): ISEW, Ryu-kyu Is. 7272
 New species: ISEW, Ryu-kyu Is. 7272
- Paraphysomonas bandaiensis*,**
 New species: Japan 9123
- Paraphysomonas butcheri*,**
 Geographical distribution: Japan 9123
- Paraphysomonas inconspicua*,**
 New species: Japan 9123
- Paraphysomonas sideriophora*,**
 New species: ANE, Denmark 1297
- Paraphysomonas vestita*,**
 Geographical distribution: Japan 9123
- Parapontellidae*,**
 Abundance: ASE, Mediterranean 11887
 Community composition: ASE, Mediterranean 11887
 Geographical distribution: ASE, Mediterranean 11887
- Parartemia zietziana*,**
 Autecology: Australia, Victoria, Corangamite L. 10983
- Parasalmo gairdneri*,**
 Pesticides 12228
 Toxicity 12228
- Parascolaismus amphidoporus*,**
 Taxonomy New species: Southeast Asia coasts 1367
- Parascolaismus proprius*,**
 Taxonomy New species: Southeast Asia coasts 1367
- Parastacoides tasmanicus*,**
 Ecology: Australia, Tasmania 1599
 pH 2709
- Parastenhelia reducta*,**
 New species: ASE, Black Sea 4971
- Parastichopsis parvimensis*,**
 Assimilation: ANW, USA, Connecticut, Santa Catalina I. 12784
 Detritus: ANW, USA, Connecticut, Santa Catalina I. 12784
 Energy flow: ANW, USA, Connecticut, Santa Catalina I. 12784
 Food conversion: ANW, USA, Connecticut, Santa Catalina I. 12784
- Parastichopus tremulus*,**
 Circulatory system 2550
 Ultrastructure 2550
- Parastromateus niger*,**
 Hosts: ISW, Pakistan, Karachi 9188
- Parasudis trunculentus*,**
 New records: ASW 13151
- Parasymphylodora manteri*,**
 New species: Uganda, Victoria L. 10382
- Paratanytarsus*,**
 New species: British Isles, England, Essex 4423
- Paratelphusa hydrodromus*,**
 Biochemistry 8291
 Carbohydrates 8291
 Metabolism 8292
 Starvation 8291, 8292
 Temperature effects 8292
- Paratelphusa masoniana*,**
 Glands 3975
 Histochemistry 3975
 Histology 3975
- Parathalestris plumiseta*,**
 New species: ANE, Isle of Man 4951
- Parathemisto gaudichaudi*,**
 Morphology (organisms) Moulting 220
 Moulting Temperature effects 220
- Parathemisto japonica*,**
 Diurnal rhythm: INW, Okhotsk Sea 10736
 Feeding: INW, Okhotsk Sea 10736
 Vertical migrations: INW, Okhotsk Sea 10736
- Paratigriopus hoshidei*,**
 Larvae 12897
 Morphology (organisms) 12897
 Sexual dimorphism 12897
- Paratimonia gobii*,**
 Life cycle 8133
- Paravansula vermiformis*,**
 New species: ANE, Isle of Man 4951

- Axenomystax**,
 Morphology (organisms): ANE 7255
 Taxonomy: ANE 7255
- Echinus angulosus**,
 Chemistry 4869, 4870
 Electrophoresis 4869
 Population density 13130
 Species 4870
- Euchaeta norvegica**,
 Breeding: ANE, British Isles, Scotland, Loch
 Eive 12909
 Chemical composition: ANE, British Isles, Scotland,
 Loch Eive 12909
- Euhyle hawaiiensis**,
 Ciliates 8290
- Macrocetis struckii**,
 Distribution records: Netherlands, Tienhoven 13122
- Onychocamptus**,
 Species 8265
 Nomenclature 8265
 Taxonomy 8265
- Onychocamptus wilsoni**,
 New species 8265
- Opophrys vetulus**,
 Breeding behaviour: ANE, Puget Sound 9561
 Random migrations: ANE, Puget Sound 9561
 Breeding: ANE, Puget Sound 9561
- Pectenopsis expansus**,
 Collections (biological): ASE, Ionian Sea 10486
 Geographical distribution 10486
 Morphology 10486
 Taxonomy 10486
- Pecteuella**,
 Species 6515
- Pecteuella**,
 Competition: PSW, South Africa 13396
 Distribution: PSW, South Africa, Cape Province 5191
 Ecology: PSW, South Africa Rep. 4260
 Horizontal distribution: ASE, Mediterranean 188
 Morphology Shells: ASE, Mediterranean 188
 Symbiosis: PSW, South Africa Rep. 4260
 Temperature tolerance 8232
 Thermoregulation 8232
- Pecteuella concolor**,
 Ecology Abundance 1394
- Pecteuella vulgata**,
 Geographical distribution: ANE, Norway,
 Kjellerøy 11867
- Pectinopecten yessoensis**,
 Amino acids 7887
 Chemical analysis 9259
 Species 9259
 Zen products 7887
 Hormones 6176
 Life cycle: INW 7836
 Shellfish culture: INW, Japan 3415
 Stage effects 7887
- Pavastephphyllum stehui**,
 New species: Tunisia 1354
- Pavastephphyllum tunesium**,
 New species: Tunisia 1354
- Pavlova**,
 Ultrastructure 11481
- Pavlova calceolata**,
 Cilia: ANE, British Isles, Tamar Estuary 5976
 New species: ANE, British Isles, Tamar Estuary 5976
 Taxonomy: ANE, British Isles, Tamar Estuary 5976
- Pavlova gyrans**,
 Taxonomy 11481
- Pavlova lutheri**,
 Taxonomy Ultrastructure 136
- Pavlova mesolychnon**,
 Taxonomy 11481
- Pavona praetoria**,
 Light effects: ISEW, Marshall Is. 13384
 Photosynthesis: ISEW, Marshall Is. 13384
 Production (biological): ISEW, Marshall Is. 13384
- Pecten**,
 Fishery economics: ANW, USA, Maine 4369, 4370
 Oil pollution: ANW, USA, Maine 4370
 Oil spills: ANW, USA, Maine 4369
- Pecten jacobaeus**,
 Marine aquaculture Resource management: ANE,
 France, Brittany 2052
- Pecten maximus**,
 Marine aquaculture Resource management: ANE,
 France, Brittany 2052
 Seed Collecting devices: ANE, France, Brittany 915
- Pectenidae**,
 Preservation (fishery products) 13895
 Shellfish culture: INW, Japan 12382
 Storage effects 13895
- Pectinaria gouldii**,
 Benthos: ANW, USA, New Jersey, Barnegat Bay 9670
 Habitat: ANW, USA, New Jersey, Barnegat Bay 9670
 Population density: ANW, USA, New Jersey, Barnegat
 Bay 9670, 9670
- Pectinatella gelatinosa**,
 Ontogeny 6056
 Statocysts 6056
- Pectinidae**,
 Circadian rhythm 6469
 Disease control Rearing 1719
 Growth rate 6469
 Shellfish fisheries: Australia 5725
 Shells 6469
 Tides 6469
 Trade: Australia 5725
- Pediastrum borganum**,
 Mercury Bioaccumulation 1996
- Pediastrum duplex**,
 Nutritional requirements 12769
 Photosynthesis 12769
 Physiology 12769

***Pegasus natans*,**

Geographical distribution: ISW 13137

New records: ISW, Iraq 13137

***Pelagophycus porra*,**

Plutonium 3208

***Pelamis*,**

Osmoregulation 10696

Skin 10696

***Pelamis platurus*,**

Biology: ISE, Costa Rica 8420

Colour: ISE, Costa Rica 8420

Noxious organisms: ISE, Costa Rica 8420

Poisons (biological): ISE, Costa Rica 8420

***Pelecypoda*,**

Biogeography: ISW, India, Visakhapatnam 4913

Ecology 10791

Enzymes 9870

Fish conversion 3513

Fossils 6467

Geographical distribution: ANE, Norway 2917

Growth 9667

Growth rate 6467, 10791

Industrial wastes: ANW, USA, Philadelphia 12172

Life cycle 4913

Methodology: ANW, USA, Philadelphia 12172

Microbial contamination 13385

Migrations: Egypt, Arab Rep., Suez Canal 7392

Mortality 9667

Mortality causes: ISEW, Taiwan 11191

New species: ISW, Andaman Is., Port Blair 4913

New species: ISW, India, Visakhapatnam 4913

Palaeontology 6467

Pollution effects 9870, 9870

Pollution effects: ANW, USA, Philadelphia 12172

Pollution effects: ISEW, Taiwan 11191

Polymorphism 10791

Rearing 13385

Reproduction 9667

Sewage: ANW, USA, Philadelphia 12172

Shellfish culture 12338

Shellfish culture: ISEW, Taiwan 11191

Shells 6467

Statistical analysis: ANW, USA, Philadelphia 12172

Storage effects Cured products 3550

Tides 6467

***Pellaginia*,**

Terminology: ISE, Pitcairn Is. 6097

***Pellonulinae*,**

Geographical distribution: Thailand, Mekong R. 9366

Morphology (organisms): Thailand, Mekong R. 9366

Terminology: Thailand, Mekong R. 9366

***Pelmatozoa*,**

Morphology 12811

***Pelobates syriacus*,**

New records: Greece 2920

***Pelomyxa palustris*,**

Symbiosis 7603

***Peloscolex amplivasatus*,**

New species: ANE, Norway 1362

***Peltodytes*,**

Insecticides: USA, Ohio 8776

***Pelvetia fastigiata*,**

Habitat: INE, USA, California, Pacific Grove 8683

***Pemphigus trehernei*,**

Horizontal distribution Salt marshes: ANE, British Isles, Norfolk 2910

Oxygen depletion 8320

***Penaeidae*,**

Bibliographic information: Australia coasts 5565

Biology 13718

Biomass 12032

Biometrics: ISE, Mexico 10820

Brackishwater aquaculture Resource development:

ISEW, Malaysia, Sarawah, Sungai Sibul estuary 2128

Catch effort: ASE, South East Atlantic 11228

Catch effort: ISW, Mozambique 11228

Check lists: ISEW, Hong Kong 12896

Chemical analysis 5701

Chemical pollutants 13476

Conferences: Australia coasts 4606

Coring 5713

Disease control 5679

Economic analysis Shellfish fisheries: ISW, Australia, Western Australia 1069

Fish conversion factors 4514

Fish culture Yield 853

Fish protein concentrate: India 4515

Fisheries regulations: Australia coasts 5734

Fisheries regulations: ISEW, Australia, Queensland 5733

Fishery biology: Australia coasts 5632

Fishery economics: ASW, Mexico Gulf 11271

Fishery economics: ASW, USA 11271

Fishery economics: PSE, Australia, New South Wales 5722

Fishery management: ASW, USA 4496, 5645

Fishery management: Australia coasts 5649

Fishery management: ISW, Australia 5650

Fishery products 5701

Fishery resources: ASW, USA 4496

Fishery technology: Australia coasts 12483

Fishing gear: PSE, Australia, New South Wales 5567

Fishing vessels: PSE, Australia, New South Wales 5567

Freshwater aquaculture 13713

Gear selectivity: ISE, Mexico 11167

Gear selectivity Net fishing: ISW, India 3383

Glossaries 12896

Growth Artificial feeding 854

Juveniles 13709

Keys: ISEW, Hong Kong 12896

Landing statistics: Australia coasts 5630

Life cycle: Australia coasts 5178

Marketing: USA 4529

Mathematical models 12032

Microbial contamination: ISW, India, Nagapattiran 13464

Morphology: ISEW, Hong Kong 12896

New records: ISW, Africa 11665

Pesticides: ANE, North Sea 5500

Pollution effects 13476

Ponds 12032
Population dynamics: ASW, Mexico Gulf 5629
Preservation (fishery products) 12470
Processing fishery products 5679, 12470
Processing fishery products: Australia coasts 12483
Processing fishery products: India 4515
Quality control 5679
Rearing 13709
Research institutions: India, Narakkal 5774
Resource development: India, Narakkal 5774
Seed (aquaculture): ISEW, Indonesia, Jepara 3069
Seed (aquaculture): ISW, India, Hooghly-Matlah Estuary 13696
Sexual maturity: ISW, Persian Gulf 4976
Shellfish catch statistics: ASE, South East Atlantic 11228
Shellfish catch statistics: ISEW, Indonesia 973
Shellfish catch statistics: ISW, Mascarene Is., Reunion I. 6852
Shellfish catch statistics: ISW, Mozambique 11228
Shellfish culture 13709, 13713, 13718
Shellfish culture: Australia 4606
Shellfish culture: India 3417
Shellfish culture: ISW, India 3418
Shellfish culture: USA 5607
Shellfish fisheries: ASW, Mexico Gulf 11271
Shellfish fisheries: ASW, USA 4496
Shellfish fisheries: Australia coasts 4606, 5565, 5632
Shellfish fisheries: ISW, Mascarene Is., Reunion I. 6852
Shellfish fisheries Trade 7896
Spawning: ISW, Persian Gulf 4976
Storage effects 5713
Storage effects Cold storage 3569
Taxonomy: ISEW, Hong Kong 12896
Terminology 11665
Trade: USA 4529

Penaeopsis balssi,

New species: ISW, Africa 11665

Penaeus,

Artificial fecundation 3412
Artificial spawning 3412
Biochemistry 10505
Catch statistics: USA, Texas 4482
Chemical composition: ISE, Peru 4513
Diurnal rhythm 4098
Diurnal rhythm: USA, Texas 4482
Eggs: ISW, India, Kulti Estuary 13604
Electric fishing 13571
Enzymes 10505
Experimental fishing 13571
Exploratory fishing: ASW, Brazil 11205
Feeding behaviour: ISW, India 4148
Fisheries resources: ASW, Brazil 11205
Fishery products: ISE, Peru 4513
Fishery resources: ASW, USA, Louisiana 4495
Fishery surveys: ASW, Brazil 11205
Food composition: ISW, India 4148
Gear selectivity 13571
Keys 3954
Larvae 3954, 3954
Light effects 4098

Locomotion 4098
Microbiological culture 3831
Muscular systems 10505
Potential yield: ASW, USA, Louisiana 4495
Quality control Frozen products 1054
Rearing: French Polynesia 3419
Seed (aquaculture): French Polynesia 3419
Shellfish culture: Philippines 13731
Shellfish fisheries: ISW, Australia 5650
Stock assessment: ASW, USA, Louisiana 4495
Trawl nets 13571
Waste water Canning: ASW, Mexico Gulf 2191
Waste water Canning: ASW, USA 2191

Penaeus aztecus,
Acclimation: ASW, Mexico Gulf 11921
Alimentary organs 8259
Chemical pollutants: ASW, USA, Texas, Galveston Bay 11108
Feeds 13207, 13720
Fungal diseases 6518
Gear selectivity: ANW, USA, North Carolina 4454
Glands 8259
Growth rate 13720
Growth rate: ASW, USA, Mississippi, Biloxi Bay 7386
Histology 8259
Migrations: ASW, USA, Mississippi, Biloxi Bay 7386
Mortality 8483
Nutritional requirements 13207
Pollution effects: ASW, USA, Texas, Galveston Bay 11108
Speciation 6542
Tagging 8483
Tagging: ASW, USA, Mississippi, Biloxi Bay 7386
Temperature: ASW, Mexico Gulf 11921
Trawl nets: ANW, USA, North Carolina 4454

Penaeus borealis,

Processing fishery products Frozen products: Denmark 3514

Penaeus brasiliensis,

Exploratory fishing: ASW, Brazil 966
Parasitic diseases: ASW, USA, Florida, Biscayne Bay 13299

Penaeus californiensis,

Length-weight relationships: ISE, Mexico 10820

Penaeus duorarum,

Aquaculture: ASW, USA, Florida, Biscayne Bay 12002
Bioassays 5433
Disease control: ASW, USA, Florida, Biscayne Bay 12002
Growth rate: ASE, Ivory Coast 7419, 7420
Invertebrate larvae 13725
Light effects 9592
Migrations: ASE, Ivory Coast 7385
Mortality: ASE, Ivory Coast 7385
Moulting 9592
Parasites: ASW, USA, Florida, Biscayne Bay 12002
Parasitic diseases: ASW, USA, Florida, Biscayne Bay 13299
PCB Digestive system 642

PCB Pollution effects 642

Rearing 13725

Ultraviolet radiation 9592

***Penaeus esculentus*,**

Catchability: ISW, Australia, Exmouth Gulf 5631

Fishery surveys: Australia coasts 25

***Penaeus indicus*,**

Fats 12380

Feeds 12380

Nutritional requirements 12380

***Penaeus japonicus*,**

Amino acids 13245

Artificial fecundation 13726

Artificial spawning 13722

Assimilation 13245

Brackishwater aquaculture: ASE, France,

Bages-Sigean 5614

Catch statistics: INW, Japan 13739

Catchability: INW, Japan, Seto Inland Sea 13329

Controlled conditions 6158

Economics: INW, Japan 13928

Environmental effects 13722

Fats 10504, 13236, 13738

Feeds 13245

Fishery economics: INW, Japan 13739

Fishing mortality: INW, Japan, Seto Inland Sea 13329

Growth: ASE, France, Bages-Sigean 5614

Marine aquaculture: INW, Japan 13739

Metabolism 10504

Moulting 10504

Nutritional requirements 13236, 13245, 13738

Population dynamics: INW, Japan, Seto Inland Sea 13329

Proteins 13236

Rearing: INW, Japan 13739

Rearing: Japan 13712

Recruitment: INW, Japan, Seto Inland Sea 13329

Sexual maturity 6158, 13726

Sexual reproduction 13722

Shellfish culture 13726

Shellfish culture: INW, Japan 13928

Shellfish culture: INW, Japan, Inland Sea 13928

Shellfish culture: Japan 13712

Shellfish culture Bacterial diseases 917

Shellfish culture Fungal diseases 917

Spawning 6158, 13726

Thermal aquaculture: Japan 13582

Ultrastructure Nervous system 1451

Vitamins 13738

***Penaeus kerathurus*,**

Amino acids 9571

Artificial feeding 2132, 13612

Digestive glands 9571

Feeds Controlled conditions 2132

Invertebrate larvae 13745

Osmoregulation 9571

Rearing 12340, 13745

Salinity effects 9571

Shellfish culture 13745

Shellfish culture Artificial feeding: France 7830

***Penaeus latisulcatus*,**

Catch effort: ISW, Australia, Western Australia 13786

Fishing mortality: ISW, Australia, Western Australia 13786

Geographical distribution: PSE, Australia, Victoria 326

Population structure: ISW, Australia, Western Australia 13786

Shellfish fisheries: ISW, Australia, South Australia 5564

Tagging: ISW, Australia, Western Australia 5625, 13786

***Penaeus merguensis*,**

Chemotaxis 5242

Environmental effects Survival 2129

Exploratory fishing: ISEW, Carpentaria Gulf 4973

Feeding behaviour 5242

Life cycle: ISEW, Carpentaria Gulf 4973

Shellfish catch statistics: ISEW, Carpentaria Gulf 13785

Shellfish fisheries: ISEW, Carpentaria Gulf 13785

***Penaeus plebejus*,**

Fishery management: ISEW, Australia, Queensland 5646

Fishery management: PSE, Australia, New South Wales 5648

Geographical distribution: ISEW, Australia, Queensland 7855

Geographical distribution: PSE, Australia, New South Wales 7855

Growth: ISEW, Australia, Queensland 7855

Growth: PSE, Australia, New South Wales 7855

Growth rate: ISEW, Australia, Queensland 5225

Migrations: ISEW, Australia, Queensland 5166

Migrations Tagging: ISEW, Australia, Queensland 344

Nursery grounds: ISEW, Australia, Queensland 5165

Oceanodromous migrations: ISEW, Australia, Queensland 5164

Spawning migrations: ISEW, Australia, Queensland 7855

Spawning migrations: PSE, Australia, New South Wales 7855

Stock assessment: ISEW, Australia, Queensland 7855

Stock assessment: PSE, Australia, New South Wales 7855

Tagging: ISEW, Australia, Queensland 5164

***Penaeus schmitti*,**

Invertebrate larvae 13725

Rearing 13725

***Penaeus semisulcatus*,**

Life cycle: ISW, Persian Gulf 11658

***Penaeus setiferus*,**

Acclimation: ASW, Mexico Gulf 11921

Bioaccumulation Fuels 918

Enzymes 6542

Freezing storage 13915

Fungal diseases 6518

Mercury 13478

Micro-organisms 13915

Quality control 13915

Speciation 6542

Temperature: ASW, Mexico Gulf 11921

Toxicity 13478

- Penaus stylirostris*,**
Length-weight relationships: ISE, Mexico 10820
- Penaus vannamei*,**
Length-weight relationships: ISE, Mexico 10820
Shellfish culture: Ecuador 5608
- Penicillium*,**
Biodegradation 13426
Oil pollution 13426
- Penicillium corylophium*,**
Assimilation 4754
Industrial wastes 4754
- Penicillium frequentans*,**
Assimilation 5998
- Penilia avirostris*,**
Aggregations: ISW, India, Cochin 10923
Life cycle: PSW, South Africa Rep. 8248
Life cycle Population structure: ASE, Trieste Gulf 1811
Reproduction: PSW, South Africa Rep. 8248
- Penion dilatatus*,**
Taxonomy 7180
- Penitella penita*,**
Skeleton: INE, USA, Oregon 6470
- Pennales*,**
Light effects Photosynthesis 2527
- Pentanemus quinquarius*,**
Fecundity: ASE, Congo, People's Rep. 1821
- Peranemopsis granulifera*,**
New records: Japan, Inland waters 12747
Taxonomy: Japan, Inland waters 12747
- Perca flavescens*,**
Bioaccumulation 9886
Chemical toxicants 8755
Development 13167
Ecology: USA, New York, Oneida L. 10822
Fish catch statistics 2165
Food consumption: USA, New York, Oneida L. 10854
Growth: USA, New York, Oneida L. 10822
Growth rate 13167
Growth rate: USA, Minnesota, Red L. 10821
Growth rate: USA, New York, Oneida L. 10854
Mercury: Canada, Ontario, Ottawa R. 9886
Oxygen depletion: USA, New York, Oneida L. 10854
PCB: Canada, Ontario, Ottawa R. 9886
Sport fishing: USA, Idaho, Salmon Falls Creek Reservoir 13701
Temperature effects 13167
Temperature effects: America, Erie L. 6707
Temperature effects: USA, Oregon, Columbia R. 9903
Temperature tolerance 13167
Temperature tolerance: USA, Oregon, Columbia R. 9903
Thermal pollution: America, Erie L. 6707
Zooplankton: USA, New York, Oneida L. 10822
- Perca fluviatilis*,**
Catch statistics: British Isles, Devon 4485
Chemical composition 2991
Food organisms 2991
Growth rate 2991
- Insecticides 8709
Lake fisheries: Finland, Kiutajaervi L. 10882
Marking Stock assessment: Norway 1009
Nutrition 2991
Parasites 1804
Population structure: Finland, Kiutajaervi L. 10882
Production (biological): Finland, Kiutajaervi L. 10882
Reproduction: Sweden, Avaa L. 6758
Seasonal variations: British Isles, Devon 4485
Stomach contents: Europe, Constance L. 8565
Sulphur 8764
- Percichthyidae*,**
Feeding behaviour: USA, Iowa, Clear L. 13266
- Percidae*,**
Feeding behaviour: USA, Iowa, Clear L. 13266
Reproduction: USSR, Dniester R. 7745
- Perciformes*,**
Fins 7269
Keys: INW, Japan Sea 7270
Keys: INW, Okhotsk Sea 7270
Keys: INW, Yellow Sea 7270
Morphology (organisms) 7269
Taxonomy: INW, Japan Sea 7270
Taxonomy: INW, Okhotsk Sea 7270
Taxonomy: INW, Yellow Sea 7270
- Percina*,**
Scales 8344
- Percina palmaris*,**
Sexual dimorphism: USA, Alabama, Tallapoosa R. 7251
- Percina pantherina*,**
Conservation: USA, Arkansas, Cossatot R. 3348
Habitat: USA, Arkansas, Cossatot R. 3348
- Percoidei*,**
Fins 7269
Morphology (organisms) 7269
Taxonomy: IS 12953
- Percomorphi*,**
Taxonomy: ISW 2774
- Percopsis omiscomaycus*,**
Age composition: USA, West Virginia 5237
Growth rate: USA, West Virginia 5237
- Peridinium archiovatum*,**
Geographical distribution: ISE, Chile 6559
- Peridinium bipes*,**
Cultures 6490
Nutrients (mineral) 6490
Tolerance 6490
- Peridinium cinctum*,**
Algal blooms: Israel, Kinneret L. 1332
Environmental effects: Israel, Kinneret L. 1332
Evolution 3050
Population dynamics: Israel, Kinneret L. 1332
Primary production: Israel, Kinneret L. 8660
RNA 3050
Sexual reproduction 1315
Vertical distribution: Israel, Kinneret L. 8660
- Peridinium willei*,**

Growth 12759
 Meiosis 12759
 Sexual reproduction 12759

***Periophthalmus cantonensis*,**

Controlled conditions: INW, Japan, Ariake
 Sound 11907
 Feeding: INW, Japan, Ariake Sound 11907
 Rhythms: INW, Japan, Ariake Sound 11907

***Periophthalmus sobrinus*,**

Aggressive behaviour 8551
 Aggressive behaviour: ISW, Malagasy Rep.,
 Morondava 8551
 Territorial behaviour 8551

***Perissodus eccentricus*,**

Evolution: Africa, Tanganyika L. 7247
 New species: Africa, Tanganyika L. 7247
 Taxonomy: Africa, Tanganyika L. 7247

***Peristedion*,**

Taxonomy: ASW, Cuba 6217

***Peritrichida*,**

Morphology (organisms) 4829
 Taxonomy 4829

***Perna*,**

Shellfish culture: ASE, Spain 13707

***Perna canaliculus*,**

Parasites 7479

***Perna perna*,**

Chromosomes: ASW, Venezuela 4918
 Habitat: ASE, Tunisia, Bizerte 7488
 Population density: ASE, Tunisia, Bizerte 7488

***Perna viridis*,**

Chromosomes: ISW, Pakistan 4918
 Life cycle: ISW, Bangladesh 9248
 Life cycle: ISW, Pakistan 12855
 Reproduction: ISW, Pakistan 12855
 Spawning: ISW, Pakistan 12855

***Persephona punctata*,**

New records: Barbados 8262

***Perumytilus purpuratus*,**

Morphology (organisms): ISE, Chile 6136
 Morphology (organisms): PSW, Chile 6136

***Petrocelis middendorffii*,**

Cultures: USA, Alaska 9142
 Cultures: USA, California 9142
 Hybridization: USA, California 9142

***Petroderma maculiforme*,**

Cultures 9572
 Environmental effects 9572
 Morphology: ANE, Finland 9572

***Petroglossum nicaense*,**

Biotope: ASE, Mediterranean 7350
 Geographical distribution: ASE, Mediterranean 7350
 Light effects 7121
 Pigments 7121
 Taxonomy: ASE, Mediterranean 7350

***Petroglossum undulatum*,**

New species: ANW, North Carolina, Onston Bay 9134

***Petrolisthes rufescens*,**

Development 9298
 Larvae 9298

***Petrolisthes zaca*,**

Development 7215

***Petromyzon*,**

Taxonomy 5102

***Petromyzon marinus*,**

Cells 8338
 Excretion 5072
 Hormones 8388
 Kidney 5072
 Life cycle Population studies: Canada, New
 Brunswick 252
 Morphology (organisms) 9362
 Osmoregulation 5072
 Parasite control: America, Great Lakes 9958
 Proteins 5072
 Respiratory organs 9362
 Respiratory system 2829

***Petromyzonidae*,**

Taxonomy 9461
 Terminology 9461

***Peysonnelia atropurpurea*,**

Population studies 1812

***Peysonnelia*,**

Geographical distribution: ASE, Turkey 11491
 New species: ASE, Mediterranean 10295
 Taxonomy: ASE, Mediterranean 10295
 Taxonomy: ASE, Turkey 11491

***Peysonnelia crispata*,**

New species: ASE, France 7102
 Taxonomy: ASE, France 7102

***Peysonnelia rosa-marina*,**

New records Geographical distribution: ASE, Portugal,
 Sines 1652
 New species 7099
 Taxonomy 7099

***Phacops rana*,**

Evolution 12787
 Fossils 12787
 Sense functions 12787
 Skeleton 12787

***Phaenomonas*,**

Morphology 11761
 New records: ISE 11761

***Phaeodactylum*,**

Cultures 13736

***Phaeodactylum tricornutum*,**

Aerobic respiration 10326
 Cadmium 11530
 Enzymes 12123
 Growth 11960
 Lead 4126
 Light effects 9155, 9776, 9895
 Nitrogen 9155
 Oil pollution 9895
 Oxygen 9156

- Photosynthesis 9155, 9156, 9776, 10326, 12123
 Photosynthetic pigments 9776, 11960
 Pollution effects 3281, 4372
 Population growth 4126
 Primary production 9776
 Shellfish culture 13220
 Toxicity 9895
- Phaeophila tenuis*,**
 New records: ANE, British Isles 1621
- Phaeophyceae*,**
 Carbohydrates 9854
 Chelates 9815
 Iron 9815
 Life cycle Environmental effects: ANE, Sweden 2491
 Radioactive pollution 9854
 Radioisotopes 9854
 Salinity effects Geographical distribution: ANE, Sweden 2946
 Salinity effects Growth: ANE, Sweden 2946
 Storage effects 2199
- Phaeophycophyta*,**
 Check lists: ANW, USA, North Carolina 8089
 Geographical distribution: ANW, USA, North Carolina 8089
- Phaeophyta*,**
 Growth rate 11950
 Light effects 11950
 Morphology (organisms): ASW, Venezuela 3843
 Photosynthesis: INW, Japan 11525
 Taxonomy: ASW, Venezuela 3843
 Taxonomy Keys: ANE, British Isles 135
 Temperature effects 11950
 Temperature effects: INW, Japan 11525
- Phaeoptyx conklini*,**
 Eggs: ASW, Bahama Is. 7285
 Reproduction: ASW, Bahama Is. 7285
- Phagocata*,**
 Taxonomy 4805
- Phagocata fawcetti*,**
 New species: USA, California, Santa Barbara 4805
- Phallodrilus hallae*,**
 New species Geographical distribution: America, Superior L. 159
- Pharopteryx benoit*,**
 Taxonomy 10571
- Phascolion temporariae*,**
 New species: PSE, New Zealand 9186
- Phascolion tortum*,**
 New species: PSE, New Zealand 9186
- Phascosoma agassizii*,**
 Cells 10273
 Electron microscopy 10273
 Light microscopy 10273
- Phascosoma arcuatum*,**
 Osmoregulation: ISEW, Malaysia 9220
- Phasganophora capitata*,**
 Copper 13488
- Oxygen consumption 7228, 13488
 Pollution effects 13488
 Respiration 7228, 13488
- Phellia aucklandica*,**
 Morphology (organisms): PSE, New Zealand 7149
- Pherusa*,**
 Respiratory pigments 9215
- Phestilla melanobranchia*,**
 Life cycle 4872
- Phestilla sibogae*,**
 Life cycle 4872
- Phialocephala fluminis*,**
 Taxonomy 11449
- Philasterina*,**
 Morphology (organisms) 2560
- Philometra mariae*,**
 Invertebrate larvae 13281
 Parasites 13281
- Philometroides huronensis*,**
 Fins 8589
 Hosts 8589
 Morphology (organisms) 8589
 New species 8589
 Parasites 8589
- Philonema*,**
 Parasites: Turkey, Munzur Stream 7467
- Phlyctidiaceae*,**
 Geographical distribution: Norway 7076
 Taxonomy: Norway 7076
- Phlyctochytrium*,**
 Taxonomy: Norway 7076
- Phoca*,**
 Anatomy: INW, Japan 9472
 Skeleton: INW, Japan 9472
- Phoca caspica*,**
 Population dynamics: USSR, Caspian Sea 11236
- Phoca hispida*,**
 Breeding: PNE 6358
 Marine ecology Nutritive value 2985
- Phoca largha*,**
 Vision 13115
- Phoca vitulina*,**
 Biology: ANW 13074
 Biology: IN 13079
 Conservation: ANW 13074
 Geographical distribution: ANW 13074
 Geographical distribution: IN 13079
 Marine ecology: ANE, British Isles 13070
 Marine ecology: ANW 13074
 Marine ecology: IN 13079
 Metabolism Thermoregulation 1592
 Morphology (organisms): IN 13079
 Population dynamics: ANE, North Sea 6441
 Stock assessment: ANW 13074
 Taxonomy: IN 13079
- Phocaena phocaena*,**
 Food composition: ANE, Denmark 2993

Fossils: Finland 12518
 Palaeontology: Finland 12518
 Reviews: Finland 12518
 Stomach contents: ANE, Denmark 2993

***Phocanema decipiens*,**

Enzymes 11550
 Nervous systems 11550

***Phocidae*,**

Abundance: INW, Kuril Is. 5627
 Geographical distribution: INW, Kuril Is. 5627

***Phocoena dioptrica*,**

Biology: ASW 13067
 Marine ecology: ASW 13067
 Morphology (organisms): ASW 13067
 Research programmes: ASW 13067

***Phocoena phocoena*,**

History: ANE, Lillebelt Strait 13156
 Locomotion 11832
 Migrations: ANE 13156
 Migrations: ANE, Lillebelt Strait 13156
 Migrations: ANW, Fundy Bay 5169
 Muscular systems 11832
 Sonic tags: ANW, Fundy Bay 5169
 Stock assessment: ASE, Black Sea 13844
 Whaling statistics: ANE 13156

***Phocoena spinipinnis*,**

Research programmes 13837
 Stock assessment: ISE, Chile 13837
 Stock assessment: ISE, Peru 13837
 Stock assessment: PSW, Chile 13837
 Subpopulation 13837

***Phocoenoides*,**

Biology: INW 13312
 Marine ecology: INW 13312
 Subpopulation: INW 13312
 Whaling statistics: INW 13312

***Phocoidea*,**

Migrations: ANE, North Sea 7389
 Seasonal variations: ANE, North Sea 7389

***Pholidichthys leucotaenia*,**

Anatomy: ISEW 11765
 Nerves: ISEW 11765
 Skeleton: ISEW 11765
 Taxonomy: ISEW 11765

***Pholoe swedmarki*,**

New species: ASW, Atlantic 8144
 Reproduction: ASW, Atlantic 8144

***Phoma herbarum*,**

Oncorhynchus: Aquaculture Diseases 1791

***Phormidium foveolarum*,**

Herbicides Detoxication 1997

***Phoronida*,**

Anatomy 9176
 Circulatory systems 9176

***Phoronis psammophila*,**

Absorption 13261
 Amino acids 13261
 Seasonal variations 13261

***Phosphannulus*,**

Fossils 10104
 Palaeontology 10104
 Parasites 10104

***Photobacterium leiognathi*,**

Bioluminescence 6364

***Photostylus*,**

Skin 6215

***Photostylus pycnopterus*,**

Geographical distribution: ANE 6233, 9543
 Geographical distribution: ASW, Caribbean 6233
 Geographical distribution: ASW, Mexico Gulf 6233

***Phoxinus*,**

Ecology: Canada, Quebec, Triton L. 13228
 Growth: Canada, Quebec, Triton L. 13228
 Hybridization: Canada, Quebec, Triton L. 13228
 Reproduction: Canada, Quebec, Triton L. 13228

***Phoxinus phoxinus*,**

Diurnal rhythms 9567
 Seasonal variations 9567
 Temperature effects 9567

***Phragmatopoma lapidosa*,**

Development: ASW, USA, Florida 11572
 Development Larvae 1369
 Larvae: ASW, USA, Florida 11572

***Phragmites communis*,**

Aquatic plants Limnology: Germany, Fed.Rep.,
 Bodensee, Gnadensee 66
 Biomass: Sweden, Trosaan R. 9896
 Chemical analysis: Sweden, Trosaan R. 9896
 Grazing 3129
 Littoral zone Water analysis (chemical): Germany, F.R.G.
 Gnadensee L. 1209
 Mineral composition 3129
 Mineral composition: Poland, Mikolajki 2539
 Pollution effects: Sweden, Trosaan R. 9896
 Population dynamics 3129
 Population studies 3128
 Primary production: Sweden, Trosaan R. 9896
 Production (biological) 3129
 Seasonal variations 3128
 Seasonal variations: Poland, Mikolajki 2539
 Water analysis (chemical) Limnology: Germany,
 Fed.Rep., Bodensee, Gnadensee 66

***Phrynops geoffroanus*,**

Biotopes: Argentina, Santa Fe, R.Parana 6350

***Phrynops nasutus nasutus*,**

Taxonomy: ASW, French Guiana 13085

***Phthanoperidiniaceae*,**

New species: ISW, Persian Gulf 8103

***Phtheichthys lineatus*,**

Distribution: ASW, Cuba 9371
 Morphology: ASW, Cuba 9371

***Phycomycetes*,**

Mangrove swamps Taxonomy: ISE, Hawaii, Oahu 121

***Phyllaplysia taylori*,**

Larvae: INE, USA 4925

- metamorphosis 4925
 Nutrition: INE, USA 4925
 shells 4925
- Phyllidiidae,**
 Geographical distribution: INW, Japan, Kii, Seto 8194
 New records: INW, Japan, Kii, Seto 8194
- Phyllochaetopterus socialis,**
 Larvae: ASE, Mediterranean 4838
- Phyllochaetopterus solitarius,**
 Larvae: ASE, Mediterranean 4838
- Phyllodoce laminosa,**
 Development: ANE, France 8173
 Reproduction: ANE, France 8173
- Phyllophora,**
 Habitat: ASE, Black Sea 11543
 Seaweed products 12369
- Phyllophoraceae,**
 Taxonomy: ANE, British Isles 1298
- Phyllosiphon arisari,**
 Chlorophylls 10296
 Taxonomy 10296
- Phyllospadix torreyi,**
 Environmental factors 7397
- Phylocentropus placidus,**
 Feeding behaviour 6485
 Taxonomy 6485
- Phylolestes ethelae,**
 Taxonomy: West Indies 5003
- Phymactis clematis,**
 Chemical analysis 10405
 Fats 10405
- Physa,**
 Phosphorus cycle 8672
Gigantobilharzia huronensis: Hosts Parasites 409
- Physa acuta,**
 Parasites 13307
 Zinc: ASE, France, Etang de l'Olivier 4674
- Physa gyrina,**
 Controlled conditions 10827
 Feeding behaviour 10827
 Mouth parts Morphology (organisms) 185
 Population dynamics: Canada, Alberta, Wabamun L. 9877
 Thermal pollution: Canada, Alberta, Wabamun L. 9877
- Physa integra,**
 Dispersion Migrations: USA, Michigan, Douglas Lake 354
- Physa spelunca,**
 New species: USA, Wyoming 4900
- Physa virgata,**
 Pollution effects: USA, Texas 8718
 Population dynamics: USA, Texas 8718
 Subpopulation: USA, Texas, Arlington L. 13340
 Temperature effects: USA, Texas 8718
 Temperature tolerance: USA, Texas, Arlington L. 13340
 Thermal pollution: USA, Texas 8718
 Thermal pollution: USA, Texas, Arlington L. 13340
- Physeter catodon,**
 Audition 6383
 Biochemistry 13027
 Conservation 13885, 13886
 Diving: PSW, South Africa 11828
 Energy budgets 13210
 Fish catch statistics: ISW 10048
 Fishery products 13885, 13886
 Geographical distribution: ISW 10048
 Growth 13210
 Haemoglobin 13027
 Nutrition 13210
 Oils 13885, 13886
 Population dynamics 13849
 Population structure: PSE, New Zealand, Muriwai Beach 1813
 Research programmes 13849
 Resource management: World Oceans 13829
 Respiration: PSW, South Africa 11828
 Seasonal variations: ISW 10048
 Sexual reproduction 13210
 Sound production (biological) 6383
 Stock assessment: World Oceans 13829
 Stomach contents 11980
 Subpopulation: World Oceans 13829
 Temperature effects: ISW 10048
 Yield predictions: World Oceans 13829
- Physidae,**
 Geographical distribution Taxonomy: USA, Michigan 181
 Taxonomy 186
- Phytobius cavifrons,**
 Morphology (organisms): USA, California 11929
 Protective behaviour: USA, California 11929
- Phytobius torripes,**
 Terminology: USA, California 11929
- Pila globosa,**
 Acids 8226
 Biochemistry 12875
 Biological control 8800
 Enzymes 12875
 Excretion 8226
 Hibernation 12875
 Physiology 8226
- Pila virens,**
 Amino acids 8228
 Excretion 8227, 8228
 Osmosis 8228
 Physiology 8228
- Pileolaria rosepigmentata,**
 New records Introduced species: ANE, British Isles, Hampshire 1663
- Pilum pilum,**
 New species: USA, Georgia 7146
 Parasites: USA, Georgia 7146
- Pimelometopon pulchrum,**
 Fats 10067
 Fish oils 10067

***Pimephales promelas*,**

Bioassays 9885, 11817, 11818
 Chemical toxicants 8755
 Chromium 9884
 Copper 6724
 Fish culture Laboratory research 2120
 Growth 12262
 New records: USA, Oregon, Spencer Creek 13143
 Oil pollution 9862
 Pesticides 9884, 12229
 Poisons (biological) 11818
 Pollution effects 6724, 9862, 12232, 12262
 Respiratory organs 11818
 Salinity effects 9884
 Temperature effects 12232
 Toxicants 9885
 Toxicity 11817, 11818, 12232, 12262

***Pinctada*,**

Pearl culture: Japan 13710

***Pinctada fucata*,**

Breeding: Japan, Ago Bay 6838
 Electrophoresis 6549
 Genetics 6549
 Genetics: Japan, Ago Bay 6838
 Pearl culture: Japan, Ago Bay 6838
 Pigments 6107
 Population genetics: INW, Japan 6548

***Pinctada radiata*,**

Mangrove swamps: ASW, USA, Florida 12257

***Pinna*,**

Taxonomy 2617

***Pinnaxodes major*,**

Larvae Morphology (organisms) 221

***Pinnidae*,**

Taxonomy 2617

***Pinnipedia*,**

Abundance: Australia coasts 13071
 Abundance: PSE, New Zealand 13071
 Bibliographies 7328
 Bioacoustics Guiding devices: PSW 3389
 Biology 13066
 Commercial species 13847
 Conferences: IN 1092
 Conservation 13066
 Geographical distribution: ANE, British Isles 13070
 Geographical distribution: ANE, France 8506
 Geographical distribution: ASE, France 8506
 Geographical distribution: ASE, Mauritania 13075
 Geographical distribution: Australia coasts 13071
 Geographical distribution: PSE, New Zealand 13071
 International organizations: IN 1092
 Life cycle 7329, 7330
 Life cycle: PSW, Antarctica 11827
 Marine ecology 13066
 Pelagic zone 13341
 Population dynamics: IN 1809
 Population dynamics: PSE, McMurdo Sound 1818
 Predator control: PSW, South Africa 3377
 Quota regulations: USA 3479
 Research programmes 13847

Research programmes Yield: IN 1809
 Resource conservation 7329, 7330
 Stock assessment 13066
 Stock assessment: ANE, British Isles 13070
 Upwelling 13341

***Pinnixa perornata*,**

New species: Barbados 8262

***Pinnotheres maculatus*,**

Anatomy 10839
 Feeding mechanisms 10839
 Filter feeders 10839
 Regional variations: ANW, USA, New York, Montauk 13410
 Vertical distribution: ANW, USA, New York, Montauk 13410

***Pinnularia ambigua*,**

Light microscopy 10302
 Morphology (organisms) 10302
 Terminology 10302

***Pipa*,**

Autecology: Brazil 9603
 Habitat 9603

***Pipa carvalhoi*,**

Behaviour 9603
 Reproductive behaviour 9603

***Pipidae*,**

Behaviour 9603

***Pisania maculosa*,**

Avoidance behaviour 9622

***Pisaster brevispinus*,**

Chemical properties 9228
 Chromatographic techniques 9228
 Enzymes 9228

***Pisaster ochraceus*,**

Spawning Reproduction 1373

***Pisces*,**

Abnormalities 8737
 Abundance: ANE, Norwegian Basin 11727
 Abundance: ASE, Tunisia 11202
 Abundance: Canada, Alberta, Peace R. 6191
 Abundance: Czechoslovakia, Rokytna R. 3029
 Abundance: USA, New York, Oneida L. 7495
 Abundance Stock assessment: INE, USA, California, Alamitos Bay 1025
 Acclimation 6462
 Acclimation: World waters 9992
 Aeration 11199
 Aerobic respiration 5093, 10127, 10607
 Ageing methods: Brazil, Parana Medio 7432
 Aggressive behaviour 6462, 9601
 Alimentary organs 6272, 6489, 8602
 Anatomy 8349, 10570, 10582, 11815, 13453
 Anoxia 7298
 Antimony 7681
 Aquaculture 7799, 10869
 Aquaculture Economics 1059
 Aquaculture Rearing 904
 Aquariology 5292, 10023, 11199, 11200, 13751
 Aquariology Limnological institutions: Nigeria, Kainji

- L. 3426
 Artificial feeding 7799
 Artificial spawning Hormones 1751
 Atomic absorption spectroscopy 7634
 ATP 10629
 Auditory organs 5046
 Availability: USA, Virginia, York River 8520
 Bacterial diseases 9642
 Bacterial diseases Disease control 411, 412
 Bacterial diseases Therapy 1759
 Baits Catch statistics 2075
 Baits Line fishing 2075
 Baseline studies: USA, Tennessee, Nickajack Reservoir 10574
 Bathyal zone 12527
 Bathyal zone: ASW 11750
 Behaviour 11200
 Behaviour: Sweden 12254
 Benthos: INE, USA, California 7727
 Benthos Energy flow: USA, Kentucky, Inland waters 456
 Bibliographic information: Philippines 13870
 Bibliographies 11722
 Bioaccumulation 2815, 7634
 Bioaccumulation: ANE, British Isles, Northumberland 8732
 Bioaccumulation: Netherlands, Rhine R. 11105
 Bioaccumulation: Sudan, Wad Medani, Gezira 12251
 Bioaccumulation: USA, Ohio, Lake Erie 7666
 Bioacoustics 12392, 12523
 Bioassays 5436
 Biochemistry 4019, 6295, 6324, 8409, 10605
 Biocoenoses: ISE 3136
 Bioelectricity 12392
 Biogeography 7503, 10563
 Biogeography: ASW, USA, Louisiana 8646
 Biogeography: INW, Kuril Is. 10950
 Biogeography: Pakistan 6401
 Biological collections: ASW, USA, Florida Middle Ground Reef 10566
 Biological collections: ASW, USA, Louisiana 8646
 Biological collections: India, Ghagra R. 2746
 Biological collections: ISEW, South China Sea 11737
 Biological collections: ISW, Andaman Sea 11737
 Biological collections: ISW, Mascarene Is., Reunion I. 6185
 Biological collections: Pakistan, Kohat 8510
 Biological collections: PS, Antarctic Ocean 11772
 Biological control: Maldive Isl. 4420
 Biological institutions 2268
 Biology 12935
 Biology: Philippines 12936
 Biomass: ANE, Finland 10057
 Biomass: ASE, Guinea Gulf 12397
 Biometrics 12716
 Biophysics 12722
 Biotope: ASE 11748
 Biotope: ISEW 12104
 Blood 8738, 13054
 Blood: ANE, Skaggerak Sea 10637
 Blood : I, Pacific 6451
 Blood cells 11826
 Blood circulation 10607, 10658
 Books 8919
 Books: Australia, Queensland 3627
 Books: ISEW, Australia, Queensland 3627
 Books: New Zealand 6399
 Books Parasite control 395
 Bottom trawls: ASW, Mexico Gulf 11942
 Brackishwater aquaculture: India 2119, 13691
 Buoyancy: Central America 8322
 Buoyancy: ISE, Hawaii 6298
 Buoyancy: North America 8322
 Catch effort: ANW 12432
 Catch effort: ANW, Scotian Shelf 12433
 Catch effort: ASW, Brazil 13757
 Catch statistics: India, Gorakhpur, Bakhira L. 11235
 Catch statistics Baits 2076
 Census: ANE, Finland 10035
 Check lists: Africa, Rudolf L. 9519
 Check lists: Africa, Zaire R. 9337
 Check lists: ANE, Ireland 9360
 Check lists: ANW, USA, Rhode Island 4441
 Check lists: ASE 11748, 11749
 Check lists: ASE, Balearic Is. 13771
 Check lists: ASE, Mauritania 1483
 Check lists: ASE, Spain 13770
 Check lists: ASW 11750
 Check lists: ASW, USA, Florida Middle Ground Reef 10566
 Check lists: Canada, Alberta, Peace R. 6191
 Check lists: Canada, Ontario, Quetico 9369
 Check lists: India 9963
 Check lists: India, Gorakhpur, Bakhira L. 11235
 Check lists: INE, Canada, British Columbia 6536
 Check lists: INE, USA, California 6536, 10564
 Check lists: INW, China, People's Rep. 7239
 Check lists: Iraq, Shatt-al-Arab 13135
 Check lists: ISE 11746
 Check lists: ISEW, China, People's Rep. 7239
 Check lists: ISEW, Guam 2749
 Check lists: ISEW, Indonesia 9528
 Check lists: ISEW, South China Sea 11737
 Check lists: ISW, Andaman Sea 11737
 Check lists: Pakistan 5010, 6401
 Check lists: Papua New Guinea 8490
 Check lists: PSE, Tasmania 5011
 Check lists: PSW 11749
 Check lists: USA, New Jersey, Barnegat R. 4479
 Check lists: USA, Tennessee, Nickajack Reservoir 10574
 Check lists: USA, Virginia 4091
 Check lists Surveys: ASW, Brazil, Parnaiba estuary 1615
 Chemical analysis 3829, 5701, 8399, 10615, 12175
 Chemical analysis: ANE, Iceland 5700
 Chemical composition: I, Pacific 7869, 7877
 Chemical composition: Netherlands, Rhine R. 11105
 Chemical pollutants 13476
 Chemical pollutants: ANE, Iceland 5700
 Chemoreception 9344
 Chemoreception Sense organs 1271

- Chromium 8738
 Chromosomes 4732
 Ciguatera 11266
 Ciguatera: ISW, Saya de Malha Bank 6889
 Classification systems 11826
 Climax community 13154
 Cold storage 2219, 2221, 12491
 Cold storage Degradation 1062
 Cold storage Fishing vessels 3532
 Cold storage Quality control 3565
 Communities 11024
 Communities: USA, Oklahoma, Kiamichi R. 13379
 Communities Freshwater ecology: World tropical regions 2247
 Community composition 8647
 Community composition: Africa, Rudolf L. 9742
 Community composition: America, Erie L. 10039
 Community composition: ANE, Eire, Galway Bay 6562
 Community composition: ANW, Canada, Iles-de-la-Madeleine 8649
 Community composition: ANW, Northumberland Strait 12111
 Community composition: ANW, USA, Soth Carolina 12941
 Community composition: ASW, USA, Florida Middle Ground Reef 10566
 Community composition: Canada, Ontario, Quetico 9369
 Community composition: Czechoslovakia, Rokytna R. 3029
 Community composition: INE, USA, California 7727, 11726
 Community composition: INE, USA, California, Point Loma 7676
 Community composition: INW, Japan, Sendai Bay 10951
 Community composition: INW, Kuril Is. 10950
 Community composition: ISE, Columbia, Malpelo Isl. 2751
 Community composition: ISEW 12104
 Community composition: ISEW, Great Barrier Reef 7554
 Community composition: ISEW, Guam 3100
 Community composition: USA, New Jersey, Barnegat R. 4479
 Community composition: USA, New York, Oneida L. 7495
 Community composition Environmental effects 488
 Competition: New Zealand, Glentui R. 7441
 Conservation: USA, Kansas 3361
 Continental slope: ANE, Norwegian Basin 11727
 Continental slope: ASE 11748, 11749
 Continental slope: PSW 11749
 Controlled conditions 13458
 Coral reefs 7551, 8647
 Coral reefs: ASW, USA, Louisiana 8646
 Coral reefs: ISEW, Great Barrier Reef 7554
 Coral reefs: ISW, Malagasy Rep. 4223
 Coring 10070
 Coring: Ghana, Volta L. 6888
 Correlation analysis: ISEW 12104
 Cured products 10070
 Cytology 11826
 Cytology: India, Inland waters 4020
 DDT: Sudan, Wad Medani, Gezira 12251
 Degradation Muscular system 2200
 Demersal fisheries: ANW, St. Lawrence Gulf 8846
 Demersal fisheries: World oceans 8897
 Detergents Toxicity: Austria, Steiermark 3307
 Development 2809
 Development Terminology 1543
 Differential equations 5714
 Disease control 5285, 5292, 10869, 10872, 13275
 Disease control: Colombia 13272
 Disease control: Germany, Fed. Rep., Lower Saxony 5278
 Disease control: New Zealand 3406, 3425
 Disease control Bacterial diseases 413
 Diseases 2278, 2294, 4159, 4163, 5273, 5284, 7478, 10869, 10870, 13275
 Diseases: ANE, Baltic 6532
 Diseases: Germany, F.R., Lower Saxony 10857
 Diseases: New Zealand 3017, 3018
 Diseases Water temperature 1758
 Dispersants 12245
 Distributional charts: ASE, Africa, northwest 13573
 Diurnal rhythm: ASE, Canary Is. 10735
 Diversity index: ISEW 12104
 DNA 6242
 Drugs 5292
 Echo surveys: ASE, Balearic Is. 12580
 Ecological distribution: Africa, Tanganyika L. 3701
 Ecology 12935
 Ecology: INW, Japan 5008
 Ecology: ISW, Malagasy Rep. 4223
 Ecology: Netherlands, Tienhoven 13123
 Ecology: PSW, South Africa Rep. 9340
 Economics 13927
 Ecosystems: ISEW, Guam 3100
 Eggs 8864, 11776
 Eggs: PSE, New Zealand 2777
 Electric fences: USA, Connecticut, Connecticut R. 5530
 Electric fishing 4033, 9983
 Electric fishing: Germany, F.R., Main R. 5641
 Electric fishing: Germany, F.R. Rhein R. 5641
 Electric fishing: USA, Tennessee, Nickajack Reservoir 10574
 Electric organs 4118
 Electrolysis 4033
 Electronic equipment 13918
 Endocrinology 2832
 Environmental effects 6295, 8737, 10629
 Environmental effects: Africa 4097
 Environmental effects: Canada, Quebec, Inland waters 6445
 Environmental effects: I, Pacific 6451
 Environmental effects: INE, California Gulf 9579
 Environmental effects: INE, USA, California 9941
 Environmental effects: USA 4086, 5555
 Environmental effects: USSR, Inland waters 7490
 Environmental factors 8833
 Environmental factors: Brazil, Amazon R., Castanho

L. 12105

Enzymes 4019, 5078, 5080, 6272, 6324, 6339, 6342
 Enzymes: ANE, Ireland 9424
 Enzymes Digestive system 298
 Enzymes Muscular system 1833
 Estuaries: PSW, South Africa Rep. 9340
 Eutrophication Mortality causes: Canada, Manitoba 2114
 Evolution 7503, 12935
 Evolution: ANE, Ireland 9424
 Evolution Water temperature 1833
 Excretion 2460, 13060
 Exploratory fishing: ANE, Spitzbergen 6850
 Exploratory fishing: ANW, Long Island Sound 7570
 Exploratory fishing: ANW, St. Lawrence Gulf 8846
 Exploratory fishing: ASW, Brazil 11207, 11208, 11209
 Exploratory fishing: PNW, Barents Sea 6850
 Exploratory fishing Coral reefs: ASW, Jamaica 2149
 Explosives 9919
 Explosives Pressure effects: ASW, Puerto Rico 724
 Eyes 7312
 Eyes Vision 1575, 2814
 Farm ponds: USSR, Inland waters 12344
 Fatigue 9440
 Fats 5672, 6299, 10615, 12473
 Fats: I, Pacific 7869, 7883
 Fats: ISE, Hawaii 6298
 Fats Chemical composition 286
 Fats Eggs 2824
 Fats Nutritive value 286
 Fecundity 10585
 Feeding 6489, 10023
 Feeding: Maldive Isl. 4420
 Feeding behaviour Predation 393
 Feeds 7799, 13237, 13664
 Fins 8351
 Fish catch statistics: Germany, F.R., Bavaria, Constance L. 6857
 Fish catch statistics: INE, Canada, British Columbia 6865
 Fish catch statistics Yield: ASW, Brazil, Almofala 833
 Fish culture 9993, 12371
 Fish culture Bacterial diseases: Cuba 1721
 Fish culture Therapy: Cuba 1721
 Fish meal: World oceans 7876
 Fish oils: World oceans 7876
 Fisheries data: ASE 985, 986
 Fisheries data Population parameters: ASW, Jamaica 1030
 Fisheries resources: Germany, F.R. Rhein R. 5641
 Fisheries resources: Ghana, Volta L. 12435
 Fisheries resources: ISW, India, Gujarat 12452
 Fisheries resources: PS, Antarctic Ocean 5154
 Fisheries resources New species: AN 1027
 Fishery products 3488, 5701, 8864
 Fishery products Resource development: Peru 3522
 Fishery surveys: USA, New Jersey, Barnegat R. 4479
 Fishery surveys Stock assessment: Burundi, Tanganyika L. 1018
 Fishing effort: ANW 12432
 Fishing effort: ANW, Scotian Shelf 12433

Fishing operations Commercial species: ASE, Turkey 3367
 Fluorescence 2816
 Food availability: ASE, Azov Sea 9640
 Food availability: ASE, Black Sea 9640
 Food chains: ANE, Baltic 5244
 Food chains: India, Tungabhadra Reservoir 8578
 Food composition 6489, 12466
 Food organisms: India, Tungabhadra Reservoir 8578
 Food organisms: New Zealand, Glentui R. 7441
 Fossils: France, Ile de France, Auvers 4580
 Fossils: South Africa Rep. 3993
 Freezing 5714
 Freezing Storage effects 1062
 Freezing storage 2219, 8892
 Freezing storage: I, Pacific 7883
 Freshwater 11722
 Freshwater aquaculture: Germany, Fed. Rep., Lower Saxony 5278
 Freshwater aquaculture: ISEW, Indonesia 900
 Freshwater aquaculture: Turkey 6828
 Freshwater aquaculture: USSR, Inland waters 7803
 Freshwater aquaculture Parasitic diseases 1709
 Freshwater ecology: Iraq, Shatt-al-Arab 13135
 Freshwater ecology: Pakistan 6401
 Freshwater ecology Production (biological): Japan, Nara Prefecture, Yoshino R. 472
 Freshwater lakes: Canada, Quebec 5143
 Freshwater pollution: Germany, Fed. Rep., Lower Saxony 5278
 Freshwater pollution: Netherlands, Rhine R. 11105
 Frozen products: British Isles 3592
 Gear selectivity 13770
 Gear selectivity: ASE, Adriatic 9981
 Gear selectivity Mesh regulations: ASE, Congo, People's Rep. 2071
 Genetics 2795, 2796, 6242, 10563
 Geographical distribution 13154
 Geographical distribution: Africa 4081, 4097
 Geographical distribution: Africa, Zaire R. 9337
 Geographical distribution: ANE, Norwegian Basin 11727
 Geographical distribution: ASE, Canary Current 450
 Geographical distribution: ASW, Cuba 9343
 Geographical distribution: Canada, Alberta, Peace R. 6191
 Geographical distribution: Canada, Ontario 5143
 Geographical distribution: Canada, Quebec, Inland waters 6445
 Geographical distribution: INE, Canada, British Columbia 6536
 Geographical distribution: INE, USA, California 6536, 9941
 Geographical distribution: INW, China, People's Rep. 7239
 Geographical distribution: ISE, Columbia, Malpelo Isl. 2751
 Geographical distribution: ISEW, China, People's Rep. 7239
 Geographical distribution: Pakistan, Kohat 8510
 Geographical distribution: South America 4081

- Geographical distribution: USA 4086
 Geographical distribution: USA, Virginia 4091
 Geographical distribution: USA, Virginia, East R. 4092
 Geographical distribution New records: Andaman Isl. 4088
 Gillnets: USA, Tennessee, Nickajack Reservoir 10574
 Gillnets Stock assessment: Poland 1001
 Glossaries 12935
 Grazing 3154
 Growth 3582
 Growth rate: USA, Indiana, White R. 5505
 Guiding devices 842, 5555
 Habitat: Africa, Zaire R. 9337
 Habitat: Netherlands, Tienhoven 13123
 Haemoglobin 6339
 Heart 10658
 Histochemistry 5080
 Histochemistry: India, Inland waters 4020
 Histology 3994
 Histology Skeleton 1267
 Horizontal distribution 8647
 Horizontal distribution: ANE, Ireland 9360
 Horizontal distribution: ASE, Tunisia 11202
 Horizontal distribution: USA, Virginia, New R. 8752
 Horizontal distribution: USA, Virginia, York River 8520
 Hormones 1547, 10658
 Hormones Endocrine glands 866
 Hosts 6398, 8602
 Hosts: ISE, Hawaii 7145
 Hosts: USA, Georgia 7146
 Hosts: USSR, Aral Sea 11990
 Hygiene 7882
 Immunology 5291, 11266
 Information handling 7478
 Inorganic suspended matter 9867
 Insecticides 5078, 13453
 Insecticides: Sudan, Wad Medani, Gezira 12251
 Intertidal environment: ANW, USA, Soth Carolina 12941
 Introduced species: Papua New Guinea 8490
 Introduced species: USSR, Inland waters 7803
 Introduced species: USSR, Kazakhstan 2996
 Ion transport 13036
 Ions: ANE, Skaggerak Sea 10637
 Irradiation: 5285, 12482, 13910
 Juveniles: ANE, Eire, Galway Bay 6562
 Juveniles: ASW, USA 4478
 Keys: ASW, USA, Mississippi Sound 3989
 Kidney 4019, 5498, 13036, 13037
 Lake fisheries: Ghana, Volta L. 12435
 Lakes Community composition 488
 Landing statistics: ASE, Mediterranean 11220
 Larvae: ANE, Kiel Bight 9725
 Learning behaviour Acclimation 1694
 Legislation: ISEW 12504
 Length-weight relationships 2819
 Lesions 8738
 Life cycle: India 13691
 Life cycle: INE, USA, California 11726
 Life cycle: PSW, South Africa Rep. 9340
 Life cycle Biochemistry 251
 Life cycle Physiology 251
 Light effects 7312, 10023
 Littoral zone: Africa, Rudolf L. 9742
 Littoral zone: INW, Kuril Is. 10950
 Liver 5078
 Liver: ANE, Ireland 9424
 Locomotion 4730, 8351, 11200
 Locomotion Numerical analysis 364
 Magnesium 12466
 Marine aquaculture: India 12371
 Marine ecology 6188
 Marine ecology: Tasmania 1650
 Marine ecology Food chains: INW, Japan, Sendai Bay 481
 Marine environment: ISW, India 9882
 Marketing 3582
 Marketing: Congo, People's Rep. 10076
 Marketing: Guatemala 5718
 Marketing: India 12497
 Marketing: Japan 12494
 Marketing: South Africa 3583
 Marking Stock assessment 1015
 Mathematical models 2819
 Measuring devices 12716
 Mechanical stimuli 5525
 Mercury 2815, 7634, 12175, 12486
 Mercury: AN 5476
 Mercury: ANE, Iceland 5700
 Mercury: ASE, Africa coasts 13484
 Mercury: ISW, India 9882
 Mercury: USA, Ohio 5491
 Mercury: USA, Ohio, Lake Erie 7666
 Mercury: World oceans 12163
 Metabolic rate 6484
 Metabolic rate: ISE 2839
 Metabolism 2836, 4033, 6341, 6342
 Metabolism Energy flow: USA, Kentucky, Inland waters 456
 Metabolites 13060
 Methodology 4732, 10605
 Microbial contamination 4159, 5708, 13912
 Microbial contamination: ANE, Baltic 3553
 Microbial contamination: ASE, Black Sea 3553
 Microbial contamination: INW, Japan Sea 3553
 Microbial contamination: PNW, White Sea 3553
 Microbial contamination: Southeast Asia 11197
 Microbial contamination: USSR, Caspian Sea 6894
 Microbiology 10073
 Microorganisms 10073, 10073
 Migrations 9556
 Migrations: USA, Virginia, York River 8520
 Morphology 10563
 Morphology Taxonomy: ASW, Bahama Is. 2752
 Morphology (organisms) 6197, 11200, 11776
 Mortality causes 5708
 Mortality causes: ASW, Brazil 1224
 Mortality causes: Colombia 13272
 Mortality causes: Hungary, Danube R. 8765
 Mortality causes: Hungary, Tisza R. 8765
 Mortality causes: ISW, Israel, Eilat 7720

- Mortality causes: USA, Minnesota, Shetland L. 13515
 Mouth parts 3994
 Mucus: India, Inland waters 4020
 Muscular system 8892, 10629
 Muscular system: Sudan, Wad Medani, Gezira 12251
 Muscular system Length-weight relationships 2973
 Nerves 6338, 10582
 Nervous systems 5080, 10582, 11815
 Neuston: ANW, Northumberland Strait 12111
 New records: ASE, Canary Is 6848
 New records: ASW, Cuba 9343
 New records: ASW, Mexico Gulf 8646
 New records: Canada 5143
 New records: ISEW, Guam 2749
 New records: ISW 11734
 New records: USA, Virginia, East R. 4092
 New records Geographical distribution: Tasmania 1650
 New species: Amazon R. 1520
 New species: ASW, Caribbean 1520
 Nucleic acids 10629
 Nutritional requirements 13237, 13664
 Nutritional requirements: Philippines 13622
 Nutritional requirements Larvae 390
 Nutritive value: I, Pacific 7877
 Oil pollution 12209
 Ontogeny 7071
 Osmoregulation 13037
 Osmoregulation: PS 12724, 12724
 Oxygen consumption: I, Pacific 6451
 Oxygen demand 5093
 Oxygen depletion Dissolved oxygen 650
 Palaeontology 12935
 Palaeontology: USA, Idaho 4583
 Pancreas 2809, 6342
 Parasites 6512
 Parasites: British Isles, Slapton Ley 3141
 Parasites: Bulgaria 1754, 1755
 Parasites: INE, USA, California 5274
 Parasites: ISW, Egypt, Arab Rep., Bardawil Lagoon 12010
 Parasites: Nearctic Region 2880
 Parasites: Palaearctic Region 2880
 Parasites: USSR, Kazakhstan 2996
 Parasites New records: ASW, USA, Alabama 407
 Parasitic diseases: India 13689
 Parasitic diseases: New Zealand 3017
 Parasitic diseases Disease control 411
 PCB 6341
 PCB: America, Michigan L. 4328
 PCB: INW, Japan, Hakodate 13452
 PCB Bioaccumulation: INE, Bering Sea 640
 Pesticides 8755
 Pesticides: ANE, North Sea 5500
 Pesticides: ANE, Skaggerak 12258
 Pesticides: Canada, British Columbia, Fraser R. 6714, 8777
 Pesticides: Hawaii 3252
 Pesticides: INE, Canada, British Columbia, Fraser R. Estuary 8777
 Pesticides: INE, Georgia Strait 8777
 PH 2815, 7731
 Physiology 6301, 8399, 9556, 10605
 Physiology: ANE, Skaggerak Sea 10637
 Physiology: USSR, Inland waters 12344
 Pigments 2816
 Plutonium: ANE, France, Cotentin 7684
 Poisonous organisms 7753
 Poisonous organisms Toxicity: Hong Kong 2206
 Poisonous organisms Toxicity: ISEW 2206
 Poisons (biological) 7753
 Poisons (biological) Toxicity 765
 Pollution control 13489
 Pollution effects 3285, 5498, 6719, 7731, 8737, 8919, 12208, 12212, 12245, 13453, 13476
 Pollution effects: ANE, British Isles, Cornwall 12403
 Pollution effects: ANW, USA, Florida, Apalachee Bay 5472
 Pollution effects: ASW, USA, Texas 4395
 Pollution effects: British Isles, Scotland, Forth R. 5424
 Pollution effects: Germany, F.R., Lower Saxony 10857
 Pollution effects: Germany, F.R., Lower Saxony, Weser R. 8774
 Pollution effects: Hawaii 3252
 Pollution effects: INE, USA, California, Point Loma 7676
 Pollution effects: PSW, South Africa Rep. 9340
 Pollution effects: USA, Indiana, White R. 5505
 Pollution effects: USA, Missouri, Missouri R. 6723
 Pollution effects: USA, Virginia, New R. 8766
 Pollution monitoring 6339, 7634, 8737, 12175, 13489
 Pollution monitoring: America, Michigan L. 4328
 Pollution monitoring Pollution effects: Germany, Fed. Rep., Weser R. 2008
 Polymorphism 5298
 Ponds 11348
 Ponds Mortality causes: Canada, Manitoba 2114
 Population control 7720
 Population density Biomass: Uganda, George L. 1901
 Population dynamics 6719
 Population dynamics: Czechoslovakia, Bohemia 9545
 Population dynamics: INE, USA, California 9941
 Population dynamics: INW, Yellow Sea 10799
 Population dynamics: ISEW, East China Sea 10799
 Population dynamics: USA, Montana, Flathead L. 13116
 Population dynamics: USA, New York, Oneida L. 7495
 Population dynamics Environmental effects: British Isles, Westmorland, Tees R. 1822
 Population dynamics Fishery management 421
 Population parameters Coral reefs: ASW, Jamaica 1030
 Population structure 5298
 Population structure: INE, California Gulf 9579
 Population structure: INE, Canada, British Columbia 6536
 Population structure: INE, USA, California 6536
 Population studies 9673
 Potential yield: ANW, Scotian Shelf 12433
 Potential yield: ISEW, Sunda Shelf 10031
 Potential yield: ISW, India 501242
 Predictions Abundance: ASE, Canary Current 450
 Pressure effects 6299, 6301
 Production (biological) 11348

Production (biological) Biomass: USA, Kentucky, Inland waters 456
 Proteins 4025, 8399, 11266
 Proteins Food composition 1052
 Public health 7882
 Quality control 1052, 3554, 5291, 5703, 5708, 10073, 11260, 12482, 13912, 13918
 Quality control: Philippines 13870
 Radioactive pollution 7681, 13489
 Radioactive radiation 11859
 Radioactive tracers 11859
 Rearing Farm ponds: Germany, F.R. 2107
 Regional variations: America 8322
 Reproduction: PSW, South Africa Rep. 9394
 Research programmes: Philippines 12936, 13622
 Reservoirs: India 12451
 Reservoirs Stock assessment 942
 Resource development: ASE, Algeria 7849
 Resource development: Assad L. 8926
 Resource development: ASW 12410
 Resource development: Congo, People's Rep. 10076
 Resource development: India 12406, 12497
 Resource development: ISW, Bengal Bay 12444
 Resource management: ISEW 12504
 Resource management: ISW, India, Gujarat 12452
 Resource management: Netherlands, Tienhoven 13123
 Respiration 4033, 11815, 12212
 Respiration: ISE 2839
 Respiratory organs 2836, 7298
 Respiratory quotient: ISE 2839
 Reviews 11260
 Rivers 10537
 Sampling (biological): ANW, Long Island Sound 7570
 Sampling (biological): Ghana, Volta L. 12435
 Sampling (biological): INE, USA, California, Santa Monica Bay 7728
 Sampling (biological): ISW, Persian Gulf 5387
 Sampling (biological): Netherlands, Tienhoven 13123
 Sampling (biological) Fishing gear: British Isles, Windemere L. 820
 Sampling (biological) Marshes: British Isles, Devon, Slapton Ley 953
 Sampling (biological) Methodology: Canada, British Columbia 961
 Sampling (biological) Stupefying methods 828
 Sampling (biological) Surrounding nets: Czechoslovakia, Danube R. 1012
 Sampling (biological) Thermal pollution: France, Montereau 419
 Sampling (biological) Toxicants 942
 Sampling (biological) Toxicants: Brazil, Pereira de Miranda Reservoir 941
 Sampling (biological) Toxicants: Finland 943
 Sampling (biological) Traps: Poland 955
 Sampling (statistical) 13242
 Scales 8349, 10570
 Schooling behaviour 4122, 9599, 12031, 13192
 Seasonal variations: ANW, USA, Soth Carolina 12941
 Seasonal variations: INE, USA, Washington, Seattle, Union Bay 8622
 Seasonal variations: INW, Yellow Sea 10799

Seasonal variations: ISEW, East China Sea 10799
 Seasonal variations Fish catch statistics: ASE, Nigeria, Lagos Lagoon 1665
 Sedimentation 9867
 Seed (aquaculture) 13666
 Seed (aquaculture): India 13691
 Serological studies 4163, 4732, 13054
 Sex determination 4009
 Sexual dimorphism: India, Kashmir 1530
 Sexual maturity 7283, 10585
 Size distribution 12031
 Skeleton 5046, 8737
 Skeleton: Brazil, Parana Medio 7432
 Social behaviour 9599, 13751
 Social behaviour: ASW, Mexico Gulf 11942
 Sonic tags: Sweden 12254
 Sound production (biological) 11722
 Spawning: PSW, South Africa Rep. 9394
 Speciation: Africa, Zaire R. 9337
 Speciation: ISE, Easter I. 6540
 Speciation: ISE, Hawaii 6540
 Speciation: PSE, Lord Howe I. 6540
 Spermatogenesis 7283
 Sport fishing 2180
 Staining 6338, 11433
 Stock assessment: ANE 2271
 Stock assessment: ANE, Finland 10057
 Stock assessment: ANW, St. Lawrence Gulf 8846
 Stock assessment: ASE, Adriatic 11204
 Stock assessment: ASE, Algeria 7849
 Stock assessment: ASE, Balearic Is. 12580
 Stock assessment: ASE, Italy 11204
 Stock assessment: ASW 12410
 Stock assessment: Ghana, Volta L. 12435
 Stock assessment: INE, USA, California 7847
 Stock assessment: ISW, Yemen, Arab Rep. 6949
 Stock assessment: PSW, Argentina 6846
 Stock assessment Methodology 1021
 Stock assessment Methodology: Poland 1017
 Stock assessment Methodology: USA, Columbia R. 952
 Stock assessment Fisheries statistics Conferences: ASE, Mediterranean 11237
 Stocking: USSR, Inland waters 7793
 Stocking Resource management: America, Great Lakes 886
 Stomach contents 13242
 Stomach contents: PSW, South Orkneys 6488
 Storage effects 5291, 5714, 6884, 8895, 12482
 Storage effects: I, Pacific 7883
 Succession 8647
 Surveys: ASE, Crete 7348
 Survival: ASE, Azov Sea 9640
 Survival: ASE, Black Sea 9640
 Survival: USSR, Inland waters 7490
 Swim bladder: Central America 8322
 Swim bladder: North America 8322
 Symposia: New Zealand 2294
 Tagging 9673
 Tagging Population density: Czechoslovakia, Lipno Reservoir 1014
 Tagging Sampling (statistical) 351

Tagging Stock assessment: British Isles, Windemere L. 1011
 Tagging Stock assessment: Germany, Fed.Rep., Trave R. 959
 Taste organs 9344
 Taxonomy 6197, 10563, 10570
 Taxonomy: ASE 11748, 11749
 Taxonomy: ASW 11750
 Taxonomy: ASW, USA, Mississippi Sound 3989
 Taxonomy: Australia, Queensland 3627
 Taxonomy: ISE 11746
 Taxonomy: ISEW, Australia, Queensland 3627
 Taxonomy: Pakistan, Kohat 8510
 Taxonomy: PSW 11749
 Temperature effects 6295, 6299
 Temperature effects: PNW, Barents Sea 6876
 Temperature effects: Sweden 12254
 Temperature effects Muscular system 2200
 Temperature effects Traps: USA, Florida, Crystal R. 2019
 Temperature tolerance 5523, 9440
 Temperature tolerance: USA, Virginia, New R. 5527
 Terminology 5046
 Terminology: ASE, Mauritania 2237
 Terminology: ASE, Turkey 3367
 Terminology: INE, USA, California 10564
 Terminology: INW, Japan 5008
 Terminology: Philippines 13271
 Terminology: Southern Africa 5037
 Territorial behaviour 6462
 Testes 10615
 Thermal aquaculture Thermal pollution 896
 Thermal effects: USA, Indiana, White R. 5505
 Thermal pollution 5523
 Thermal pollution: USA 5555
 Thermal pollution: USA, Virginia, New R. 5527
 Thermal pollution Temperature effects: America, Ontario L. 1994
 Tolerance 13458
 Toxicity 3285, 8738, 8919, 11199, 13453, 13458
 Toxicity Red tides 765
 Toxins 11266
 Trade: Australia 3596, 5728, 7899, 13933
 Trade: Brazil 10084
 Trade: British Isles 1234, 3584, 7891, 13817
 Trade: India 12497
 Trade: Japan 12494
 Trade: Southeast Asia 11197
 Trade: USA 7891
 Trade: World oceans 8897
 Transportation 2221
 Traps 7786
 Trawling: Africa, Rudolf L. 10026
 Trawling: ASE, Adriatic 9981
 Trawling: INE, Canada, British Columbia 6865
 Trawling: ISW 11734
 Tropical zones 12527
 Tropical zones Freshwater ecology 3096
 Ultrastructure 13036
 Underwater photography: ASW, Bahama Is. 5373
 Urine 13060

Vertical distribution: ANE, Norwegian Basin 11727
 Vertical distribution: Czechoslovakia, Bohemia 9545
 Vertical migrations: ASE, Canary Is. 10735
 Viral diseases 3003
 Vision Pigments 1576
 Waste disposal 6719
 Water quality Surveys: USA, Virginia, New R. 962
 Yield predictions Environmental factors: AN 59
 Zoogeography: New Zealand 6399
 Plathelminthes: Host-parasite systems: India 13689
 Plathelminthes: Host-parasite systems: Philippines 13271

Pisces Cyprinidae,

Community composition Freshwater ecology: Ghana, Bosumtwi L. 484

Pisces Invertebrata,

Community composition: ASW, USA, Florida, Apalachicola Bay 11895
 Diurnal rhythm: ASW, USA, Florida, Apalachicola Bay 11895
 Seasonal variations: ASW, USA, Florida, Apalachicola Bay 11895

Piscicola geometra,

New records: Norway, Trondelag 5144

Piscicola reducta,

Geographical distribution: USA, Minnesota, Zumbro R. 10867
 New records: USA, Minnesota, Zumbro R. 10867
 Parasites: USA, Minnesota, Zumbro R. 10867

Piscicolidae,

Morphology (organisms): USA 2555
 New records: USA, Oklahoma, Texoma L. 10868
 Parasites: USA, Oklahoma, Texoma L. 10868

Pisidium,

Geographical distribution: Europe, Alps 8205
 Palaeontology: Europe, Alps 8205

Pisidium amnicum,

Growth 11623
 Reproduction 11623

Pisidium hinzi,

New species Morphology: Sweden 1397

Pisidium walkeri,

Acclimation 12864
 Respiration 12864
 Seasonal variations 12864

Pisodonophis cruentifer,

Meristic counts: ANW 10541
 Morphology: ANW 10541
 Sexual maturity: ANW 10541

Pisolamia,

New species 6091
 Parasites 6091
 Taxonomy 6091

Pista pacifica,

Metabolism 4859
 Physiology 4859

Pistia stratiotes,

Ammonia 13516

Plant control 13516

Weeds 13516

Pithophoraceae,

Taxonomy 1293

Placentophora,

New species: PSE, New Zealand 10301

Taxonomy: PSE, New Zealand 10301

Placopecten magellanicus,

Chromatographic techniques 8235

Fats 8235

Fishery resources: ANW, St. Lawrence Gulf 13761

Fishery surveys: ANW, St. Lawrence Gulf 13761

Fouling organisms 7774

Invertebrate larvae 13715

Metabolism Cold storage 2222

Muscular system Cold storage 2222

Ocean dumping Metals: ANW, USA 1964

Potential yield: ANW, St. Lawrence Gulf 13761

Seed (aquaculture) 13715

Spectroscopic techniques 8235

Survival 13715

Plagioporus shawi,

Salmonidae: Life cycle Parasites 1796

Plakarthriidae,

Evolution 10489

Life cycle 10489

Taxonomy 10489

Planaria,

Ecology Biogeography: France, Lyon 1339

Learning behaviour 11933

Light effects 5216

Regeneration 2575, 12824

Planctanthias longifilis,

New species: ASE 9382

Planktoniella sol,

New records: ANW 10722

Planorbarius corneus,

Respiration 11634

Temperature effects 11634

Planorbula jenksii,

Biogeography 4909

Taxonomy 4909

Plantago,

Radioactive tracers Osmoregulation 1335

Plasmiorchis pellucidus,

Taxonomy 9195

Plasmodium circumflexum,

Diseases: USA, New Brunswick, Tantramar
Marshes 8588

Parasites: USA, New Brunswick, Tantramar
Marshes 8588

Platambus maculatus,

Protective behaviour 3984

Secretory products 3984

Platanista gangetica,

Abundance: India, Indus R. 9674

Anatomy: Bangladesh, Brahmaputra 9471

Behaviour 4035

Biology 4035

Conservation: India 13131, 13836

Conservation: India, Indus R. 9674

Habitat: India 13836

Introduced species: India 13131

Population dynamics: India, Indus R. 9674

Stock assessment: Bangladesh 13836

Stock assessment: India 13836

Stock assessment: Nepal 13836

Platanista indi,

Conservation: Pakistan 13131

Introduced species: Pakistan 13131

Platanistidae,

Biology 4036

Biology: Pakistan 4037

Taxonomy: Pakistan 4037

Plathelminthes,

Parasites: Philippines 13271

Plathemis lydia,

Growth rate 8318

Invertebrate larvae 8318

Light effects 8318

Metamorphosis 8318

Seasonal variations 8318

Temperature effects 8318

Platichthys flesus,

Abnormalities 3293

Acclimation 5074, 13019

Artificial spawning: ASE, Italy 4461

Bioaccumulation 5501

Blood 13019

Blood cells 5063

Enzymes 5074, 13020

Feeding: ANE, British Isles, Severn Estuary 13255

Feeding behaviour: ANE, British Isles, Severn
Estuary 13255

Food availability: ANE, British Isles, Severn
Estuary 13255

Food organisms: ANE, British Isles, Severn
Estuary 13255

Haemoglobin 5063

Hormones 12980

Ion transport 13019

Liver 13020

Marine aquaculture: ASE, Italy 4461

Oil pollution 3293

Oil pollution: ASE, Black Sea 12256

Osmoregulation 13019

Parasitology: ANE, Baltic 12006

Pollution effects 3293

Rearing: ASE, Italy 4461

Reproduction 12980

Platichthys stellatus,

Ion transport 13016

Kidney 13016

Osmoregulation 13016

Polymorphism Enzymes: I, Pacific 1550

Salts 13016

- Platycephalus bassensis*,**
 Indicator organisms: PSE, Tasmania 4380
 Mercury: PSE, Tasmania 4380
 Pollution monitoring: PSE, Tasmania 4380
- Platymantis*,**
 Taxonomy 5103
- Platymicrocythere*,**
 New species 1445
- Platymonas*,**
 Cell division 1318
- Platymonas convolutae*,**
Convoluta roscoffensis: Symbiosis Photosynthesis 2528
- Platymonas subcordiformis*,**
 Lead 4126
 Osmoregulation 2542
 Population growth 4126
 Salinity effects 2542
- Platynereis bicanaliculata*,**
 Life cycle 10360
 Territorial behaviour 10360
- Platynereis dumerili*,**
 Regeneration Hormones 1390
- Platypoecilus maculatus*,**
 DNA 8368
 Genetics 8368
- Platysquilla eusebia*,**
 Larvae: ANE, Ireland 1421
- Platysympus*,**
 Geographical distribution: World Oceans 7372
- Platysympus japonicus*,**
 Morphology (organisms) 7372
 New records: INW, Japan 7372
 New species: INW, Japan 7372
- Platysympus tricarinatus*,**
 Morphology (organisms) 7372
- Plecoglossus altivelis*,**
 Conferences: Japan 1487
 Stocking: Japan 13648
- Plecoptera*,**
 Check lists: Austria, inland waters 8312
 Check lists: British Isles, Wales 2723
 Check lists: USA, Montana 1630
 Check lists: USA, Oregon 4213
 Diurnal rhythm: France, Auvergne, inland waters 13162
 Drift organisms: France, Auvergne, inland waters 13162
 Ecology Geographical distribution: Norway 1467
 Environmental effects: USA, Oregon 4213
 Freshwater ecology: Italy, Staffora R. 2889
 Freshwater ecology: Norway 6425
 Geographical distribution: Italy, Staffora R. 2889
 Geographical distribution: Norway 6425
 Indicator organisms: Austria, inland waters 8312
 Keys: South America 2732
 New records: USA, Montana 1630
- Population parameters: Sweden, Lapland, Vindelaelven R. 8639
 Seasonal variations: Austria, inland waters 8312
- Plectonema boryanum*,**
 Genetics 13308
 Proteins 13308
 Viral diseases 13308
- Plectrocnemia conspersa*,**
 Environmental effects: British Isles, Sussex 8679
 Predation: British Isles, Sussex 8679
- Pleisiophysa*,**
 Dessication 12284
- Plesionika*,**
 Fishery surveys: PSE, Australia, New South Wales 5647
- Plethodon cinereus*,**
 Geographical distribution 10902
 Hybridization 5112
 Population genetics 10902
 Proteins 10902
 Speciation 10902
- Plethodon jordani*,**
 Colour 8440
 Palatability 8440
 Regional variations 8440
 Subpopulation 8440
- Plethodon serratus*,**
 Speciation 10902
- Plethodon wehrlei*,**
 Food organisms: USA, Pennsylvania 11979
 Ontogeny: USA, Pennsylvania 11979
 Seasonal variations: USA, Pennsylvania 11979
- Plethodontidae*,**
 Metabolism 8475
 Oxygen consumption 8475
 Respiration 8475
- Pleurastrum*,**
 Cell division 1318
 Mitosis 1318
- Pleurobrachia bachei*,**
 Geographical distribution: ASW, Mexico 12079
 Taxonomy: ASW, Mexico 12079
- Pleurobranchaea*,**
 Feeding behaviour 10826
 Nervous systems 10826
 Physiology 10826
 Stimuli 10826
- Pleurocerinae*,**
 Biogeography: World inland waters 5151
 Taxonomy: World inland waters 5151
- Pleurodeles waltii*,**
 Amino acids 13106
 Anatomy 7343
 Biochemistry 7343
 Chromosomes 5113
 Drugs 7339
 Evolution 13106
 Genetics 4049, 7339
 Haemoglobins 13106

Hormones 7343, 8442
 Larvae 8442
 Metamorphosis 8442
 Mutations 4049, 7339
 Reproductive organs 7343
 Spermatogenesis 10678
 X-rays 7339

***Pleurodema kriegi*,**
 Taxonomy Speciation 1581

***Pleurogrammus monopetrigius*,**
 Food technology 8888
 Parasites 8888
 Quality control 8888

***Pleuroncodes monodon*,**
 Fish catch statistics: PSW, Chile, Quintero 5638

***Pleuroncodes planipes*,**
 Biomass Horizontal distribution: ISE, Mexico, Baja
 California 968

Ecosystems Energy flow 1460
 Respiration Chemical composition 1460
 Stock assessment: ISE, California Gulf 7841

***Pleuronectes flesus*,**
 Cadmium Bioaccumulation 649

***Pleuronectes platessa*,**
 Alimentary organs 9999
 Aquaculture 10006
 Balance organs 8327
 Bioaccumulation 6687, 7314, 9883
 Biological rhythms 9551
 Blood cells 5063, 7232, 7319
 Chemical analysis: ANE, North Sea 13042
 Cytology 8327
 Enzymes 8744, 12991
 Fecundity: ANE, English Channel 9559
 Feeding behaviour 9551
 Feeding behaviour: ANE, Wadden Sea 9615
 Genetics 12991
 Growth rate 10817
 Haematology: ANE, North Sea 13042
 Haemoglobin 5063, 7324
 Heart 2828, 6216
 Hormones: ANE, North Sea 13042
 Ichthyoplankton: ANE, English Channel 9559
 Immunology 6319
 Insecticides 8744
 Larvae 7314
 Length-weight relationships: ANE, North Sea 5227
 Locomotion 9551
 Marine aquaculture: British Isles 13639
 Marine pollution 8744
 Metabolism 2828
 Metals 9883
 Microorganisms 9999
 Migrations 9551
 Mortality causes 5539
 Otoliths 1506
 Oxygen consumption 7324
 Parasites: ANE, British Isles, Scotland 9665
 Plutonium 12242
 Pollution effects 8744

Radioactive pollution 7682, 12242
 Rearing 10817
 Reproduction: ANE, North Sea 13042
 Skin 9999
 Spawning: ANE, English Channel 9559
 Spawning migrations: ANE, English Channel 9559
 Stomach content: ANE, Wadden Sea 9615
 Strontium 7679
 Ultrastructure Otoliths 1506

***Pleuronectidae*,**
 Biochemistry 11812
 Electric fishing 9977
 Experimental fishing 9977
 Fish catch statistics: ANW, St. Lawrence Gulf 8854
 Haemoglobins 11812
 Oxygen system 11812
 Stock assessment: ANW, St. Lawrence Gulf 8854
 Temperature effects: ANW, Labrador Current 5644

***Pleuronectiformes*,**
 Alimentary organs 5252
 Evolution 2807
 Feeding behaviour 5252
 Food composition 5252
 Genetics 2807
 Parasites 7471

***Pleuronectoidea*,**
 Fish catch statistics: ANE, Baltic 4492
 Stock assessment: ANE, North Sea 6877

***Pleuronema puytoraci*,**
 New species 2559

***Pleuronichthys cornutus*,**
 Fishery biology: INW, Yellow Sea 2053
 Fishery biology: ISEW, East China Sea 2053

***Pleurotaenium minimum*,**
 Taxonomy: Czechoslovakia, High Tatra
 Mountains 10293

***Pleurotomaria atlanticus*,**
 New species: ASW, Brazil, San Sebastian Isl. 8203

***Pleurotomella*,**
 Taxonomy: ANE, Iberian Deep-Sea Basin 11616

***Pleurotomella bathyiberica*,**
 New species: ANE, Iberian Deep-Sea Basin 11616

***Pleuroxus*,**
 Taxonomy 8258

***Plotosus anguillaris*,**
 Hosts: ISW, India, Kerala 12895

***Plotus alle*,**
 Glands 10684
 Kidney 10684
 Salinity 10684

***Plumaria elegans*,**
 Light effects Caves: ANE, Eire 1675

***Plumatella fungosa*,**
 Nitrogen cycle 8767
 Pollution effects 8767
 Water quality 8767

***Pocilia reticulata*,**

Hormones 9390
Reproductive organs 9390
Sex reversal 9390
***Pocillopora damicornis*,**
Abundance: ISE, Panama Gulf 10996
Community composition: ISE, Panama 10948
Coral reefs Cells 163
Ecology: ISE, Panama Gulf 10996
Growth rate 7428
Temperature effects 7403

***Podiceps cristatus*,**
Diurnal rhythms 6348
Life cycle: Poland, Masurian Lakeland 6348
Survival: Poland, Masurian Lakeland 6348

***Podochrysis roscoffensis*,**
Morphology (organisms) 8102

***Podocnemis lewyana*,**
Stomach contents: Colombia 9659

***Podocopida*,**
Taxonomy 10477

***Podocoryne carnea*,**
Regeneration 9239

***Podocotyle atomon*,**
Parasitology: ANE, Baltic 12006

***Podolampas*,**
Ultrastructure: ASE, Mediterranean 7105

***Podostemaceae*,**
Ecology: Venezuela, Caroni R. 9141
Habitat: Venezuela, Caroni R. 9141
Reproduction: Venezuela, Caroni R. 9141

***Podostemum ceratophyllum*,**
Vegetation cover: USA, Georgia, Yellow R. 8488

***Poecilia*,**
Genetics Chromosomes 1541
New species: Mexico, Inland waters 4006
Reproduction 2802

***Poecilia latipinna*,**
Cells 10549
Circadian rhythms 8384
Cytology 2764
Endocrine glands 2764
Hormones 8410
Inhibitors 4031
Pituitary gland 4031, 8384, 8410, 10549
Swim bladder 6316
Ultrastructure 2764, 10549
Water pressure 6316

***Poecilia reticulata*,**
Acclimation 2812
Aggressive behaviour 10755
Biochemistry 6309
Competitive behaviour 10755
Development 9392
Environmental effects 12035
Feeding behaviour 8569
Food selectivity 8569
Growth 9356
Herbicides 9872

Hormones 9392
Hormones Sex reversal 1537
Morphology (organisms) 9356
Osmoregulation 2812
Pigments 6309
Pollution effects 9872
Population density 8569, 12035
Population dynamics 12035
Predation 8569
Reproduction 5412
Salinity effects 2812
Sex determination 9356
Sex ratios 12035
Sex reversal 9392
Sex reversal Hormones 2820
Sexual maturity 9356
Social behaviour 10755
Toxicity 9872
Viviparity 2812

***Poecilia sphenops*,**
Reproductive behaviour 5222

***Poeciliidae*,**
Morphology: Mexico 8350
New species: Mexico 8350

***Poeciliopsis*,**
New species: Mexico, Inland waters 4006
Population dynamics Courtship 426

***Poeciliopsis gracilis*,**
Geographical distribution: USA, California, Inland waters 9525
Introduced species: USA, California, Inland waters 9525
New records: USA, California, Inland waters 9525

***Poeciliopsis occidentalis*,**
Courtship Reproductive behaviour 366

***Pogonophora*,**
Biogeography: ANW, USA, North Carolina 4064
Classification systems 3901
Cytology 3899
Digestive system 3901
Embryology 3906, 3915
Evolution 3901, 3904, 3905, 3906, 3915, 10369
Morphology (organisms) 3904, 3905, 10369
Reviews 10369
Taxonomy 3901, 3904, 3906, 10369
Ultrastructure 3899

***Polinices hacketti*,**
New species: ISE, Galapagos 6102

***Poliovirus*,**
Bromine 5947
Electron microscopy 5947
Temperature effects 5947

***Pollachius virens*,**
Biology: ANE 12411
Chemical composition: ANE, North Sea 5095
Diseases: ANE, Norway 11999
Fats: ANE, North Sea 5095
Fish catch statistics: ANE 6858
Fish culture: ANE, Norway 11999

Fisheries: ANE 12411
Geographical distribution: ANE, Norway 11900
Marking: ANE, Norway 11900
Seasonal variations: ANE, North Sea 5095
Spawning migrations: ANE, Norway 11900

***Pollachius virens*,**

Chemical composition: ANE, North Sea 5094
Seasonal variations: ANE, North Sea 5094

***Pollicipes polymerus*,**

Environmental effects 5190
Fertilization 4977
Growth rate 5190
Larvae 4977

***Polyacanthonotus rissoanus*,**

Morphology: ASE, Spain 5041
New records: ASE, Spain 5041

***Polyacanthus cupanus*,**

Food conversion 8558

***Polyartemia forcipata*,**

New records: ANE, Norway 6412

***Polycarpa*,**

Taxonomy 5104

***Polycelis*,**

Morphology (organisms): Romania 8159
New records: Romania 8159
Reproductive organs: Romania 8159
Taxonomy: Romania 8159

***Polycelis coronata*,**

Behaviour: USA, Washington 10769
Caves: USA, Washington 10769
Morphology (organisms): USA, Washington 10769

***Polycelis felina*,**

Competition: British Isles, Wales, Inland waters 12145
Environmental effects 4105

***Polycelis nigra*,**

Brain 8180
Nerves 8180
Ontogeny 8180
Regeneration 8180

***Polycelis tenuis*,**

Biosynthesis 12816
Methodology 12816
Regeneration 12816
RNA 12816

***Polychaeta*,**

Bibliographies: ASW 10376
Biochemistry 8143
Check lists: ASE, Ivory Coast 8146
Check lists: ASW 10376
Community composition: ASW, USA, Florida, Old Tampa Bay 4400
Ecological distribution: ASW, USA, Florida, Tampa Bay 7366
Environmental effects: ISW, Malagasy Rep., Nosy-Be 7525
Food chains 7314
Geographical distribution 12253
Geographical distribution: ASW, Brazil 3874

Geographical distribution: Australia coasts 7461

Geographical distribution: ISW, Malagasy Rep.,

Nosy-Be 7525

Interstitial environment: ASW, Brazil 3874

Interstitial environment: ISE, Galapagos 3882

Intertidal environment: ASW, USA, Florida, Tampa Bay 7366

New species: ASE, Ivory Coast 8146

Pesticides: ANE, Skaggerak 12258

Plankton: INE, USA, California 4853

Pollution effects 12253

Pollution effects: ASE, Italy 7701

Red tides: ASW, USA, Florida, Old Tampa Bay 4400

Taxonomy 8143

Taxonomy: ASE, Ivory Coast 8146

Taxonomy: ASW 10376

Zooplankton: ISW, Malagasy Rep., Nosy-Be 7525

***Polycystididae*,**

Taxonomy 1366

***Polycystis contorta*,**

New species: ASE, Mediterranean 1366

***Polydactylus sexfilis*,**

Fish culture: Hawaii 13624

***Polydora*,**

Life cycle: PSE, Australia, New South Wales 7461

***Polydora guillei*,**

Morphology (organisms): ASE, Mediterranean 4840
New species: ASE, Mediterranean 4840

***Polydriopsis*,**

Geographical distribution: Japan 6404

***Polygnathidae*,**

Biogeography: World Zoogeographic Regions 8511
Palaeontology: World Zoogeographic Regions 8511

***Polymesoda (Geloina) erosa*,**

Morphology 10432

***Polyodon spathula*,**

Parasitic diseases Eggs 408

***Polyplocophora*,**

Anatomy: INE, USA, California 8246
Autecology: ASE, Balearic Is. 11601
Autecology: ASE, Spain 11601
Carbohydrates 8246
Environmental factors: ASE, Spain 11601
Fats 8246
Geographical distribution: ASE, Mediterranean 7376
Geographical distribution: ASE, Spain 11601
Habitat: INE, USA, California, Monterey Peninsula 8195
Intertidal environment: INE, USA, California 7942
Invertebrate larvae: INE, USA, California, Pacific Grove 8218
Ontogeny: INE, USA, California, Pacific Grove 8218
Oxygen depletion 8240
Physiology 8240
Physiology: INE, USA, California 8246
Research programmes: INE, USA, California 7942
Respiration 8240
Respiratory organs 8240
Spawning: INE, USA, California, Pacific Grove 8218

ater waves: INE, USA, California, Monterey Peninsula 8195
 ogeography: ASE, Mediterranean 7376
Polypodochrysis teissieri,
 orphology (organisms) 8102
Polypterus,
 evelopment 2799
 ntogeny 2753
 eproductive organs 2799
Polypterus senegalus,
 natomy 2754
 evelopment 2754, 2798
Polysiphonia kieliana,
 ew species: ANE, Baltic 4765
Polysiphonia urceolata,
 romine 2992
 utritional requirements 2992
Polystoma gallieni,
 ew records: Morocco 2891
 arasites: Morocco 2891
Polystoma integerrimum,
 ltrastructure 6028
Polystyliphora darwini,
 ew species: ISE, Galapagos 3872
Polysyncrator,
 axonomy: ASE, France, Banyuls-sur-mer 5108
Polysyncrator haranti,
 ew species: ASE, France, Banyuls-sur-mer 5108
Polytoma mirum,
 roteins 10354
Polytomella agilis,
 ilia 10297
 lectron microscopy 10297
 ocomotion 10297
Pomacea paludosa,
 opulation dynamics: USA, Florida, Everglades 5307
 easonal variations: USA, Florida, Everglades 5307
Pomacentridae,
 oecology: ISW, Red Sea 8537
 arine ecology 6187
 pical behaviour: ISW, Red Sea 8537
Pomacentrus,
 ompetitive behaviour: ISEW, Guam, Tumon Bay 10765
 oral reefs: ISEW, Guam, Tumon Bay 10765
 eritorial behaviour: ISEW, Guam, Tumon Bay 10765
Pomacentrus leucostictus,
 ermatogenesis 10555
 ltrastructure 10555
Pomacentrus nagasakiensis,
 orphology (organisms): ISEW, Bonin I. 8348
 axonomy: ISEW, Bonin I. 8348
Pomacentrus variabilis,
 igments 2838
Pomachromis guamensis,
 ew species: ISEW, Marianas, Guam, Tanguisson Point 2775

Pomadasyidae,
 Biology Population dynamics: ASW, Jamaica 257
 Digestion: ASW, Cuba 5270
 Taxonomy: ASW, Jamaica 257
Pomatomus saltatrix,
 Aggressive behaviour: ASW, USA, Florida 7410
 Anatomy 3999
 Circulatory system 3999
 Development: ANW, USA, New Jersey 10579
 Feeding behaviour: ASW, USA, Florida 7410
 Locomotion 8546
 Morphology (organisms): ANW, USA, New Jersey 10579
 Nerves 3999
 Scales: ANW, USA, New Jersey 10579
Pomatoschistus minutus,
 Cells Cultures 113
Pomatoschistus norvegicus,
 Geographical distribution: ASE 7259
 Morphology (organisms): ASE 7259
 Taxonomy: ASE 7259
Pomoxis annularis,
 Length-weight relationships: USA, Texas, Nasworthy L. 2979
Pomoxis nigromaculatus,
 Parasites 5288
Pomphorhynchus laevis,
 Environmental effects 8602
 Parasites 8602
Pomponema syltense,
 New species: ANE, North Sea, Sylt 3876
Pontella danae,
 Taxonomy: ISW, Bangladesh 9286
Pontella danae ceylonica,
 Morphology (organisms): ISW, Pakistan 12898
 Taxonomy: ISW, Pakistan 12898
Pontella investigatoris,
 Morphology (organisms): ISW, Pakistan 12898
 Taxonomy: ISW, Bangladesh 9286
 Taxonomy: ISW, Pakistan 12898
Pontella meadi,
 Development 10491
 Invertebrate larvae 10491
 Life cycle 10491
 Nauplii 10491
 Rearing 10491
Pontellidae,
 Abundance: ASE, Mediterranean 11887
 Community composition: ASE, Mediterranean 11887
 Geographical distribution: ASE, Mediterranean 11887
Pontellina plumata,
 Biogeography: AS 5136
 Distributional charts: AS 5136
Pontinus nematophthalmus,
 New records: ANW, USA, South Carolina 2916
Pontogeneia padinae,
 New species 2471

Pontoniinae,

Coral reefs: IS, Indo-West Pacific 7552

Symbiosis: IS, Indo-West Pacific 7552

Pontoporia blainvillei,

Anatomy 10667

Anatomy: ASW, Uruguay 9471

Blood circulation 10667

Liver 10667

Porcellio dilatatus,

Heart 10519, 10520

Nerves 10520

Sodium 10519

Porcellio laevis,

Blood 6172

Proteins 6172

Porichthys,

Bioluminescence 9420

Porichthys notatus,

Bioluminescence 5088

Eyes 10645

Photoreceptors 10645

Pigments 10645

Porifera,

Benthos: ASE, Mediterranean 4219

Cells Histology 1351

Check lists: Brazil, Guaiba R. 4067

Environmental effects 6041

Fats Biochemistry: ISW, Kenya 177

Morphology (organisms) 6041

Morphology (organisms): Surinam 3890

Palaeontology: ASW, West Indies 3897

Silicon 12615

Speciation: ASW, West Indies 3897

Symbiosis 3143

Taxonomy: ASW, West Indies 3897

Porites,

Coral reefs: ISEW, Guam, Piti Bay 13502

Porites andrewsii,

Introduced species 13374

Porites compressa,

Growth rate 7428

Porites lobata,

Growth rate 6471

Moon phases 6471

Seasonal variations 6471

Skeleton 6471

Poroderma africanum,

Osmoregulation Glands 297

Porphyra,

Books: INW, Japan 12338

Economics: Japan 7837

Geographical distribution 11494

Geographical distribution: INE, Canada, British Columbia 11492

Life cycle 1290, 2139, 10312

Morphology (organisms) 10312

Morphology (organisms): INE, Canada, British Columbia 11492

Seasonal variations 11494

Seaweed culture: Japan 7837

Taxonomy 10312, 11494

Taxonomy: ASW 4764

Taxonomy: INE, Canada, British Columbia 11492

Porphyra atropurpurea,

Geographical distribution: ASW 4764

Porphyra brumalis,

New species 11494

Porphyra lacinata,

Geographical distribution: ASW 4764

Porphyra vulgaris,

Geographical distribution: ASW 4764

Porphyra yezoensis,

Biochemistry 8117

Chemical analysis 8117

Light effects Growth rate 3421

Porphyridium,

Fats 9158

Porphyridium cruentum,

Sugar 6003

Porphyridium purpureum,

Cells 9129

Electron microscopy 9129

Light microscopy 9129

Porphyrodiscus simulans,

Parasites 11524

Spores 11524

Porrassia malorquensis,

Taxonomy 6147

Porrocaecum caballeroi,

New species: ISE, Mexico 156

Makaira mitsukurii: Parasites: ISE, Mexico 156

Portlandia arctica,

Acclimation: PNW, White Sea 9588

Salinity tolerance: PNW, White Sea 9588

Portunidae,

Geographical distribution: ISW 12889

New records: ISW 12889

Shellfish fisheries: ISW, India, Goa 3379

Taxonomy: ISW 12889

Portuninae,

Invertebrate larvae: INW 12885

Keys: INW 12885

Portunus hastatoides,

Invertebrate larvae 12883

Portunus oblongus,

New records: Barbados 8262

Portunus pelagicus,

Invertebrate larvae 12884

Portunus sanguinolentus,

Invertebrate larvae 12884

Portunus suborbicularis,

New species: ISEW 2699

Portunus validus,

Morphology (organisms) Growth 1438

- Posidonia australis*,
 Autecology: PSE, Australia, New South Wales, Botany Bay 10702
 Geographical distribution: PSE, Australia, New South Wales, Botany Bay 10702
 Growth: PSE, Australia, New South Wales, Botany Bay 10702
 Marine ecology: ISW, Australia, Western Australia, Cockburn Sound 7346
 Pollution effects: ISW, Australia, Western Australia, Cockburn Sound 7346
 Pollution effects: PSE, Australia, New South Wales, Botany Bay 10702
- Posidonia oceanica*,
 Biotope: ASE, Italy, Livorno 5372
 Coastal fisheries: ASE, France 10118
 Morphology (organisms): ASW, USA, Texas 3844
 Mortality causes: ASE, France, Mediterranean 7562
 Pollution effects: ASE, France, Marseilles Gulf 7562
 Succession: ASE, France, Mediterranean 7562
- Posthodiplostomum minimum*,
 Parasites: USA, Iowa, West Okobij 6069
- Potamogeton crispus*,
 Budding 6478
- Potamogeton rutilus*,
 Geographical distribution: Sweden, Sodra Karrlangen L. 6432
- Potamonectes resslii*,
 New species: Iran 10532
- Potamopyrgus ciliatus*,
 Geographical distribution: Cameroon 11595
 New records: Cameroon 11595
- Potamopyrgus jenkinsi*,
 Environmental effects 4896
 Geographical distribution: France, Isere R. 6406
 Morphology (organisms) 4896
 Polymorphism 4896
 Shells 4896
- Potamothena hammoniensis*,
 Environmental effects: Denmark, Esrom L. 12037
 Growth rate: Denmark, Esrom L. 12127
 Population dynamics: Denmark, Esrom L. 12037
 Production (biological): Denmark, Esrom L. 12127
 Sexual reproduction: Denmark, Esrom L. 8170
- Potamothena heuscheri*,
 Morphology (organisms) 11568
 Taxonomy 11568
- Potamothena thermalis*,
 Morphology (organisms) 11568
 Taxonomy 11568
- Potamothena garouaensis*,
 Morphology (organisms): Nigeria 6203
 Taxonomy: Nigeria 6203
- Potomida*,
 Shells 4895
 Taxonomy 4895
- Poycelis tenuis*,
 Biochemistry 13250
 Starvation 13250
- Prasinocladus marinus*,
 Growth 11954
 Salinity tolerance 11954
- Prasinophyceae*,
 Culture media 4791
 Nutritional requirements 4791
 Reproduction Resting spores 2517
- Prasiola delicata*,
 Morphology (organisms): INW, Japan, Akkeshi 2503
 New records: INW, Japan, Akkeshi 2503
- Prasopora richmondensis*,
 New species: Canada, Ontario, Toronto 12517
- Praunus flexuosus*,
 Statocysts Ultrastructure 2710
- Premnas*,
 Mathematical models 8671
 Symbiosis 8671
- Priapulus*,
 Anatomy: ISW, Bengal Bay 8502
 Geographical distribution: ISW, Bengal Bay 8502
- Priapulus caudatus*,
 Blood cells 10362
- Prionace glauca*,
 Haematology 6320
 Haemoglobin 6320
 Haemoglobins: ISE, Hawaii, Kealakakua Bay 6294
- Pristipomoides multidens*,
 Anatomy 9365
 Morphology (organisms) 9365
 Terminology 9365
- Pristipomoides typus*,
 Terminology 9365
- Proboscoidactyla flavicirrata*,
 Locomotion 2953
 Protective behaviour 2953
- Proboscoidactyla ornata*,
 Budding 7166
 Ontogeny 7166
 Plankton 7166
 Seasonal variations 7166
 Terminology 7166
- Procambarus*,
 Avoidance behaviour 5211
 Herbicides 5496
 Nervous system 5211, 10480, 10481
 Shellfish culture: USA, southern states 13585
- Procambarus bouvieri*,
 Circadian rhythm 5170
 Hormones 5170
 Nervous systems 5170
- Procambarus brazoriensis*,
 New species: USA, Texas, Brazos R. 3964
- Procambarus clarkii*,
 Immunology 7224

- Learning behaviour 2711
 Nervous system 2711
 Nervous system Heart 231
 Nervous system Physiology 231
 Nervous systems 10517
 New records: Mexico, Baja California 6145
 Photosynthetic pigments Temperature effects 1459
 Proteins 7224
 Reproductive behaviour 2966
- Procambarus curdi*,**
 New species: USA, Arkansas 3967
- Procambarus erythroptus*,**
 New species: USA, Florida 3965
- Procambarus hinei*,**
 New records: USA, Texas, Brazos R. 3964
- Procambarus incilis*,**
 New records: USA, Texas, Brazos R. 3964
- Procambarus roberti*,**
 Morphology (organisms): ASW, Mexico 2686
- Procambarus simulans*,**
 Pollution effects 5494
- Procellaria*,**
 Feeding: PSW, New Zealand 9635
- Procellaria parkinsoni*,**
 Stomach contents: PSW, New Zealand 9635
- Procerodes littoralis*,**
 Chromosomes 11575
- Prochilodus cearensis*,**
 Catch effort: Brazil, 'Pereira de Miranda'
 Reservoir 11231
 Fishery biology: Brazil, 'Pereira de Miranda'
 Reservoir 11231
- Prochistianella micracantha*,**
 New species: ISE, Hawaii 7145
- Prochlorophyta*,**
 Taxonomy 12753
- Prochondracanthus platycephali*,**
 New species: PSE, New Zealand 7482
- Proctoeces maculatus*,**
 Parasites 12008
 Seasonal variations 12008
- Projasus bahamondei*,**
 Geographical distribution: PSW, Chile 6138
 New species: PSW, Chile 6138
- Promonotus ponticus*,**
 Geographical distribution: ASE, Romania 11883
 Lagoons: ASE, Romania 11883
- Pronocephalidae*,**
 New species: ISW, India 9193
 Parasites: ISW, India 9193
 Taxonomy: ISW, India 9193
- Prorocentrum micans*,**
 Cultures 11196
 Excretion 10345
 Growth rate 12389
- Metabolism 10345
 Red tides: INW, Japan, Hokkaido 768
 Toxicity Aquaculture: INW, Japan, Hokkaido 768
- Prorocentrum minimum*,**
 Red tides Population parameters: ANW, USA,
 Maryland 741
- Prosimulium*,**
 Hosts: Canada, Newfoundland 6508
- Prosobranchia*,**
 Biogeography: World currents 5173
 Development: ASE, France 8197
 Dispersion: World oceans 5173
 Invertebrate larvae: World currents 5173
 Mineral composition 4938
 Morphology: ASE, France 8197
 New records: ASE, Italy 7374
 Plankton: World oceans 5173
 Shells 4938
- Prosobranchiata*,**
 Biomass Seasonal variations: Chad, Chad L. 418
 Larvae: ASE, Mediterranean 4915
 New species: ISE, Chile 6089
 New species: PSW, Chile 6089
 Shells: ASE, France, Banyuls-sur-mer 4915
- Prosopium cylindraceum*,**
 Geographical distribution 6230
 Morphology: USSR, Chukotka 6230
 Morphology: USSR, Siberia 6230
- Prosthecochloris phaeoasteroidea*,**
 New species 12730
 Photosynthesis 12730
 Salt lakes 12730
- Prosthiostomum katio*,**
 New species: ISE, Hawaii 11563
- Prosthiostomum montiporae*,**
 New species: ISE, Hawaii 11563
- Prostoma kolasai*,**
 New species 8137
- Proteocephalus buplanensis*,**
 New species 8157
 Parasites 8157
- Protohydra leuckarti*,**
 Predation 4244
- Protopolystoma xenopodis*,**
 Life cycle 3019
 Morphology (organisms) 3019
 Parasites 3019
- Protopterus amphibius*,**
 Aerobic respiration 10647
- Protopterus annectens*,**
 Blood cells 7299
 Hormones 7299
- Protopterus dolloi*,**
 Histology 3995
 Nervous system 5016
 Nervous systems 3995

Protosiphon botryoides,

Biochemistry 4793, 4794

Cytology 4794

Photosynthetic pigments 4793

Reproduction 4794

Protozoa,

Biological control Parasitic diseases 785

Chromosomes 12045

Collecting devices 12071

Counters 6398

Ecosystems: ASW, USA, Alabama, Mobile Bay 4243

Ecosystems: Poland, Mikolajskie L. 6567

Electron microscopy Mucus 1377

Environmental effects: ASW, USA, Alabama, Mobile Bay 4243

Environmental effects: USA, Michigan, Douglas L. 13168

Evolution 5312, 5315, 12045

Food chains: ASW, USA, Alabama, Mobile Bay 4243

Habitat: USA, Michigan, Douglas L. 13168

Hosts: World Land Areas 5282

Indicator organisms Community composition: ANW, USA, New Hampshire 1684

Indicator organisms Estuaries: ANW, USA, New Hampshire 1684

Indicator organisms Geographical distribution: ANW, USA, New Hampshire 1684

Indicator organisms Population parameters: ANW, USA, New Hampshire 1684

Interstitial environment: USA, Louisiana 5380

Life cycle 12801

Light effects 2586

Mathematical models 6398

Methodology 6398

Microorganisms Predation 1895

Mitosis 12045

Morphology: PSE, New Zealand 2570

Mucus Chemical structure 1377

New species Taxonomy: ASW, USA, Alabama, Mobile Bay 161

Parasites 6398

pH 2586

Photosynthetic pigments 5315

Plankton 12071

Population parameters: ASW, USA, Alabama, Mobile Bay 4243

Predation 12270

Seasonal variations: Poland, Mikolajskie L. 6567

Taxonomy: PSE, New Zealand 2570

Toxicity Waste water 1973

Water pollution Indicator organisms: ANW, USA, New Hampshire 1684

Osteichthyes: Parasitic diseases Aquariology 1779

Prunum spryi,

Taxonomy 2604

Prymnesiophyceae,

Taxonomy 11472

Psammochinus miliaris,

Amino acids 10411

Chemical analysis 10411

Chemical structure 10411

Embryos 6076

Enzymes 6076

Locomotion 6076

Morphology (organisms) 8161

Psammocora,

Coral reefs 10947

Psammomacrostromum equicaudum,

Reproductive organs 3886

Psammomacrostromum turbanelloides,

New species: ANE, Baltic 152

Psammotreta elouardi,

New species: ASE, Senegal 8201

Psephenus,

Reproductive behaviour 11928

Psettarioides kurochkini,

Host-parasite systems: ASW, Brazil, Salvador 10368

New species: ASW, Brazil, Salvador 10368

Parasites: ASW, Brazil, Salvador 10368

Pseudacris triseriata,

Colour: USA, Colorado 8625

Geographical distribution: Canada, Ontario 11871

Polymorphism: USA, Colorado 8625

Population genetics: USA, Colorado 8625

Subpopulation: USA, Colorado 8625

Pseudanabaena galeata,

Morphology (organisms) 2509

Pseudemys,

Blood circulation 10697

Heart 10697

Pseudemys scripta,

Cytology 10700, 10701

Eyes 10700, 10701, 12969

Histology 12969

Oxygen consumption 11852, 13099

Respiration 10694

Temperature effects 11852, 13099

Pseudeutropius atherenoides,

Sexual dimorphism: India 263

Pseudione magna,

New records: ISEW, Guam 13147

Pseudobradya psammophila,

New species: ASE, France, Banyuls-sur-mer 4963

Pseudobradya soyeri,

New species: ASE, France, Banyuls-sur-mer 4963

Pseudobranchius striatus,

Metabolism 8476

Respiration 8476

Pseudocalanus elongatus,

Artificial feeding 7214

Fecundity 7399

Feeding: ASE, Black Sea 2935

Rearing 7214

Vertical migrations: ASE, Black Sea 2935

Pseudocalanus minutus,

Feeding behaviour 10848

Grazing 10848

- Pseudocella platonovae*,**
New species: PNW, White Sea 4844
Taxonomy: PNW, White Sea 4844
- Pseudocharopinus*,**
Taxonomy 2668
- Pseudocharopinus malleus*,**
New records: ASE, Tunisia 2668
- Pseudochromidae*,**
Keys: ISW 7264
- Pseudochromis dilectus*,**
New species: ISW 7264
- Pseudochromis flammicauda*,**
New species 5029
- Pseudochromis paranox*,**
New species 5029
- Pseudocycnus armatus*,**
Anatomy 10479
Digestive system 10479
Morphology (organisms) 10479
Parasites 10479
- Pseudodendromonas vlkii*,**
Morphology (organisms) 2563
Taxonomy 2563
- Pseudodiaptomus marinus*,**
Developmental stages 7211
Nauplii 7211
- Pseudogobius javanicus*,**
Taxonomy Morphology (organisms): INW, Japan,
Okinawa Prefecture 1515
- Pseudogrillotia basipunctata*,**
New species: ISE, Hawaii 7145
- Pseudogrillotiidae*,**
New records: ISE, Hawaii 7145
Parasites: ISE, Hawaii 7145
- Pseudoguembelina costellifera*,**
New species: USA, Alabama 9183
- Pseudoguembelina polypleura*,**
New species: USA, Alabama 9183
- Pseudohemius granulosus*,**
Larvae 4047
Morphology (organisms) 4047
- Pseudoleptomesochrella bisetosa*,**
New species: ANW, USA, North Carolina 8252
- Pseudolithophyllum expansum*,**
Biotope: ASE, Italy, Livorno 5372
- Pseudolithus*,**
Fecundity: ASE, Congo, People's Rep. 1821
- Pseudomalaxis nobilis*,**
New record: ASW, Brazil 1648
- Pseudomonacanthus garetti*,**
Morphology (organisms): ISE, Hawaii 264
- Pseudomonas*,**
Acids 8884
Enzymes 9112
Growth rate 9112
Growth regulators 9112
- Reproduction rate 12728
Strains 12728
Strains: ISW, Red Sea 12729
Ultrastructure 12728
- Pseudomonas aeruginosa*,**
Methodology Counters 1256
Mytilidae: Microbial contamination 1278
Ostereide: Microbial contamination 1278
- Pseudomonas fluorescens*,**
Diseases 6526
- Pseudomonas hirudinicola*,**
Symbiosis 6619
- Pseudomonas magnesiurubra*,**
New species: ISW, India 10278
Pigments 10278
Taxonomy 10278
- Pseudomonas putida*,**
Bacterial diseases 8606
Development 8606
- Pseudopallene glutus*,**
Taxonomy New species: PSE 2736
- Pseudopenaeus forsskali*,**
Terminology: ISW, Red Sea 6225
- Pseudophryne corroborae*,**
Morphology (organisms): Australia, New South
Wales 9467
Speciation: Australia, New South Wales 9467
Taxonomy: Australia, New South Wales 9467
- Pseudopleuronectes americanus*,**
Aerobic respiration 10726
Amino acids 11810
Benthos: ANW, USA, New Jersey 12404
Bioaccumulation 8375
Biochemistry 13041
Blood 11810, 13041
Blood circulation 10608
Chemical analysis 11810
Controlled conditions 12937
Diffusion: ANW, USA, Long Island Sound 5522
Dispersion: ANW, USA, Massachusetts 3747, 9928
Dissolved oxygen Blood 1569
Embryology: ANW, USA, New York 5195
Energy budgets 12937
Fish larvae: ANW, USA, Long Island Sound 5522
Freezing 11810
Growth 5193
Growth rate 12937
Haematology 10609
Heavy metals 8375
Horizontal distribution: ANW, USA, Long Island
Sound 5522
Hormones 8391, 13041
Larvae: ANW, USA, Massachusetts 9928
Liver 8391
Marine pollution 8375
Metabolic rate 10726
Metabolism 5193
Parasites 8597
Physiology 8375, 8391

- Pituitary gland 8391
 Proteins 11810
 Recruitment: ANW, USA, Long Island Sound 5522
 Reproductive organs 8391
 Seasonal variations 13041
 Temperature effects 10608, 10609, 10726
 Temperature effects: ANW, USA, New York 5195
Pseudopolydora kempfi,
 Development: INE, USA, California 2573
 Reproduction: INE, USA, California 2573
Pseudopolydora paucibranchiata,
 Development: INE, USA, California 2573
 Reproduction: INE, USA, California 2573
Pseudopsolus macquariensis,
 New species: PSE, Kerguelen Is. 1343
Pseudorasbora parva,
 Insecticides Pollution effects 1977
Pseudorca crassidens,
 New records: PSE, Tasmania 6346
Pseudosciaena,
 Speciation Morphology (organisms): ISEW, East China Sea 1827
Pseudosciaena manchurica,
 Morphology (organisms): INW, Yellow Sea 1500
 Morphology (organisms): ISEW, East China Sea 1500
 Otoliths Ageing methods 1704
Pseudoscourfieldia marine,
 New species 4808
Pseudosimnia nielsenii,
 New species: ISEW, Australia, Queensland, Keppel Bay 11162
Pseudotreboxia,
 New species 10305
 Taxonomy 10305
Pseudotriakidae,
 Taxonomy 2743
Pseudotropheus tursio,
 New species: Africa, Malawi L. 5039
Pseudotropheus U-1,
 New species: Africa, Malawi L. 5040
Pseudovermilia,
 Keys: ASW, Caribbean Is. 2571
 Morphology (organisms): ASW, Caribbean Is. 2571
Pseudovorticella,
 New species 4829
Pseudovorticella difficilis,
 New species 4829
Pseudovorticella sphagni,
 New species 4829
Pseuduvella heterotricha,
 New species 8105
Psiloria,
 New species: Israel, Negev 10106
Psorophora columbiae,
 Growth regulators Pest control: USA, Louisiana 2334
Psuedosciaera manchurica,
 Cured products 2194
Psyllocamptus carolinensis,
 New species: ANW, USA, North Carolina 8252
Pteria penguin,
 Pearl culture: Japan 13710
Pteriomorpha,
 Chromosomes 3935, 3936
 Genetics 3935, 3936
Pterobothrium hawaiiensis,
 New species: ISE, Hawaii 7145
Pterois zebra,
 Terminology 5021
Pterolamiops longimanus,
 DNA 12043
Pteronarcys californica,
 Heavy metals 9819
 Indicator organisms 9819
 Pollution monitoring 9819
Pteropoda,
 Abundance: ANE 2902
 Anatomy 12846
 Annual variations: ISW, Indian Ocean 7518
 Check lists: ASW, Barbados 6570
 Marine ecology: ASW 8637
 Shells 12846
 Taxonomy 12846
Pteroscion peli,
 Fecundity: ASE, Congo, People's Rep. 1821
Pterygioteuthis pfefferi,
 New records: ASW, USA, Florida 11870
Ptychodera flava,
 Biochemistry 6073
 Feeding mechanisms 10851
 Larvae 10851
 Oxygen consumption 5119
 Physiology 5119
 Respiration 5119
 Salinity effects 5119
 Spectroscopic techniques 6073
Ptychoptera peusi,
 Taxonomy New species: USSR, Kavkaz, Upper Baksan Region 1473
Puccinellia festucaeformis,
 Life cycle: ASE, Mediterranean 7116
 Salinity effects: ASE, Mediterranean 7116
Pugettia producta,
 Predation: INE, USA, California, Monterey Bay 12842
Pulmonata,
 Chemical composition 11435
 Environmental effects 4941
 Geographical distribution: USA, Texas 11877
 Life cycle 4941
 Seasonal variations 4941
 Sperm 4922

***Puntius bimaculatus*,**
Agricultural runoff 9888
Bioassays 9888

***Puntius conchoniis*,**
Anatomy 12964

***Puntius filamentosus*,**
Morphology 12957

***Puntius mahecola*,**
Taxonomy 12957

***Puntius pulchellus*,**
Feeding behaviour 13697
Fish culture 13697
Rearing 13697
Reproduction: India, inland waters 13697
Resource availability: India, inland waters 13697

***Puntius sarana*,**
Fecundity: India, Loni Reservoir 12987
Sexual maturity: India, Loni Reservoir 12987

***Puntius sophore*,**
Glands 6194

***Puntius stigma*,**
Anatomy 12964

***Pusa caspica*,**
Biology: USSR, Caspian Sea 9452
Natural mortality: USSR, Caspian Sea 9452
Tagging: USSR, Caspian Sea 9452

***Pustularia maricola*,**
New species: ISEW, Philippines, Marinduque I. 11162

***Pycnogonida*,**
Autecology: ASE, Adriatic, Banjole I. 5202
Geographical distribution 7358

***Pycnopodia helianthoides*,**
Avoidance behaviour: INE, USA, California, Monterey Bay 12842

Feeding behaviour: INE, USA, Alaska, Prince William Sound 5264

Predation: INE, USA, Alaska, Prince William Sound 5264

Seasonal variations: INE, USA, Alaska, Prince William Sound 5264

***Pygidium*,**
Morphology: Chile 5032
Skeleton: Chile 5032

***Pygidium areolatum*,**
Taxonomy: Chile 5032

***Pygidium maculatum*,**
Taxonomy: Chile 5032

***Pylaiella littoralis*,**
Gametogenesis 11503
Genetics 4783
Meiosis 11502
Mitosis 4783
Reproduction 4783, 11502, 11503
Spores 11502
Ultrastructure 11503

***Pyramidella acus*,**
New records: ISW, Sri Lanka 6430

***Pyramidospora herculiformis*,**
New species: Sierra Leone, Inland waters 5957

***Pyrocystis*,**
Reproduction 7161

***Pyrosoma atlanticum*,**
Population structure: ASE, Ligurian Sea 1814

***Pyura chilensis*,**
Biology 5100

***Pyura stolonifera*,**
Larvae: PSW, South Africa, False Bay 8449
Temperature effects: PSW, South Africa, False Bay 8449

***Pyridae*,**
Anatomy: PSE, Australia, New South Wales, Sydney 9484
Hermaphrodites: PSE, Australia, New South Wales, Sydney 9484

Larvae: PSE, Australia, New South Wales, Sydney 9484
Metamorphosis: PSE, Australia, New South Wales, Sydney 9484

***Quadricomoides*,**
Morphology (organisms): ISEW, Great Barrier Reef 10366
New species: ISEW, Great Barrier Reef 10366

***Rachovia*,**
Taxonomy: ASW, Colombia 7253

***Rachycentron canadum*,**
Abnormalities: ASW, USA 7256
Diseases 8591
Diseases: ASW, USA 7256
Heart 8591

***Radimella confragosa*,**
Geographical distribution Fossils: ASW, Caribbean Is. 1639

***Rafinesquina alternata*,**
Morphology (organisms) Environmental effects 1404

***Raja*,**
Feeding behaviour: ANW, USA 11985
Stomach contents: ANW, USA 11985

***Raja clavata*,**
Biometrics: ASE, Adriatic 10878
Electric organs 10631
Magnetism 10631
Morphology (organisms): ASE, Adriatic 10878
Muscular system Ultrastructure 267
Sense organs Ultrastructure 267
Sexual maturity: ASE, Adriatic 10878
Size distribution: ASE, Adriatic 10878
Size distribution Stomach contents: ANE, Eire 10877
Statistical analysis: ASE, Adriatic 10878

***Raja erinacea*,**
Blood 11801
Excretion 11800, 11801
Excretory organs 11800
Eyes 12726
Liver 11801
Osmoregulation 11799

Raja naevus,
Eggs 7288
Fecundity: ANE, Irish Sea 7288
Ovaries 7288
Sexual reproduction: ANE, Irish Sea 7288

Raja ocellata,
Enzymes 8390
Glands 8390
Osmoregulation 8390

Raja velezi,
New species: ISE, Peru 12954

Rallus longirostris,
Bibliographies: America 10664
Reviews: America 10664

Rana,
Aggressive behaviour 10789
Aquaculture Resource development: India, Cuttack 3420
Aquaculture Resource development: USA 3420
Brain 10699
Chemoreception 8425
Chromosomes 7333
Circulatory systems 5118
Cytology 8425
Development 8448
Development Hybridization 2854
Digestive glands 8076
Enzymes 8076
Genetics 7333
Histology Alimentary organs 1584
Hormones 6382
Nerves 8425
Physiology 5118
Respiration 10699
Taste organs 8425
Temperature effects 8448
Ultrastructure 8425
Vocal behaviour 10789

Rana aurora,
Development: USA, Washington 9483
Sexual reproduction: USA, Washington 9483

Rana berlandieri,
Hybridization: Mexico 10665
Sympatric populations: Mexico 10665

Rana blairi,
Geographical distribution: USA 6544
Hybrids: USA 6544
Subpopulation: USA 6544
Sympatric populations: USA 6544

Rana brevipoda,
Chromosomes 10679
Genetics 10679
Hybrids 10679
Speciation 10679

Rana cancrivora,
Salinity effects Osmoregulation 1594
Serological studies Hormones 1594

Rana catesbeiana,
Amino acids 7342

Biochemistry 7342, 9497
Biological rhythms 8457
Blood cells 7342
Calcium 13100
Chemical extraction 9497
Chemical properties 9497
Chemoreception 8455
DNA 10674
Endocrinology 5123, 5124
Glands 13100
Haemoglobin 2865, 10692
Hormones 9497
Hybridization 2855
Inhibitors 5412
Larvae 8457, 10692
Light effects 5120, 8457
Metamorphosis 5123, 5124, 10674, 13095
Metamorphosis Biochemistry 313
Metamorphosis Serological studies 1593
Nervous system 8455
Nervous systems 6373
Oxygen 10692
Photoreceptors 8457
Physiology 5120
Pineal organ 9505
Proteins 7342, 13095
Proteins Serological studies 313
Serological studies 13100
Taste organs 8455
Temperature effects 10692

Rana chensinensis,
Embryology Enzymes 310
Enzymes Hatching 310

Rana clamitans,
Dispersion: USA, Virginia, Sylvatica Pond 9589
Homing behaviour: USA, Virginia, Sylvatica Pond 9589
Hybridization 2855
Morphology (organisms): Canada, Ontario, St.Nova L. 8423
Pigments: Canada, Ontario, St.Nova L. 8423

Rana cyanophlyctis,
Hormones 6377

Rana esculenta,
Biosynthesis 10685
Blood 13107
Chemical control 13107
Cilia 13096
Cytology 13096
Eyes 7344, 8473
Fats 2860
Hormones 2860, 13107
Hormones: Italy, Naples 11844
Hosts 3023
Ion transport 9487
Lesions 9487
Light effects: Italy, Naples 11844
Nerves 13096
Pancreas 10685
Physiology 8473
Proteins 10685

Skin 9487

Spermatogenesis: Italy, Naples 11844

Stimuli 8473

Temperature effects: Italy, Naples 11844

Testes 2860

Vision 8473

***Rana hexadactyla*,**

Reproductive behaviour 13093

Sexual reproduction 13093

***Rana limnocharis*,**

Speciation 3047

***Rana magnaocularis*,**

Morphology (organisms): Mexico 10665

New species: Mexico 10665

***Rana nigromaculata*,**

Chromosomes 10679

Dessication 9464

Development 9482

Genetics 10679

Glands 9482

Hybrids 10679

Skin 9464

Speciation 10679

***Rana nitida*,**

Taxonomy: Malaysia, Pahang 304

***Rana pipiens*,**

Amino acids 8474

Anatomy 10689

Audition 7501

Biochemistry 7337, 8474, 10688

Chemical analysis 13108

Development 13090

Diving 8465

Eggs 7337

Embryology 10673

Embryos 13090

Enzymes 8468, 9491, 10688, 13090

Eyes 10673

Hormones 8463, 9491, 10689, 13108

Hormones Metamorphosis 312

Hybridization: USA, Nebraska 10899

Learning behaviour 8474

Light effects 8463

Metamorphosis 9491

Microbial contamination 5677

Morphology (organisms): USA, Nebraska 10899

Nerves 9491

PCB 8451

pH 10688

Pituitary gland 8463

Processing fishery products 5677

Quality control 5677

Seasonal variations 13108

Serological studies: USA, Nebraska 10899

Speciation 7501

Speciation: USA, Nebraska 10899

Toxicity 8451

***Rana pretiosa*,**

Life cycle: America 6344

Vertical distribution: America 6344

***Rana ridibunda*,**

Feeding behaviour 4152

Food composition 4152

Vocal behaviour 4123

***Rana rugosa*,**

Electron microscopy 8429

Larvae 8429

Muscular system 8429

***Rana sylvatica*,**

Bioaccumulation 8761

Larvae 8761

Pesticides 8761

***Rana temporaria*,**

Anatomy Abnormalities: Finland 300

Autolysis 11843

Biochemistry 9387

Blood 6384

Cytology 6384, 9387

DDT 3286, 11070

Development 9387

Electrical conductance 13103

Environmental effects 8438

Eyes 2861, 7344

Haematology 6384

Hibernation Temperature effects: Finland 363

Hormones 9492, 11843

Larvae 5115

Metamorphosis 11843

Mortality causes 8438

Muscular systems 2866

Nervous systems 2861

Ontogeny 11843

Oogenesis 8450

pH 13103

Pineal organ 9505

Pituitary gland 9492

Pollution effects 3286, 11070

Population dynamics: British Isles, East Anglia 9669

Predation 10985

Pressure effects 13103

Radioactive tracers 5115

Regeneration 5115

RNA 8450

Seasonal variations 9492

Skin 13103

Spawning 8438

Toxicity 3286

Ultrastructure 2861

Viral diseases 6507

***Rana tigrina*,**

Hormones 6377

***Rana tweediei*,**

Morphology: Malaya, Selangor 11839

Taxonomy: Malaysia, Pahang 304

Terminology: Malaya, Selangor 11839

***Rana 82 Rana aesculenta*,**

Metabolism 8451

***Rangia cuneata*,**

Bioaccumulation Fuels 918

Bioaccumulation Oil pollution 614

- Environmental effects: ANW, USA 11964
Estuaries: ANW, USA 11964
Geographical distribution: ANW, USA 11964
Geographical distribution: ASW, USA 11964
Growth: ANW, USA 11964
Insecticides 3296
Osmoregulation 10455
pH 10455
Physiology 4930
Pollution effects 5494
Proteins 10455
Serological studies 4930
- Ranidella,**
Genetics Polymorphism: Australia 1829
- Raninidae,**
Schooling behaviour: ASW, West Indies, St. Lucia 13194
- Raninoides fossor,**
Morphology (organisms) 2678
- Ranunculus penicillatus,**
Biomass 8656
Nutrients (mineral): British Isles, Lee R. 8114
Production (biological) 8656
Water analysis (chemical): British Isles, Lee R. 8114
- Rapana thomasi,**
Benthos: ASE, Black Sea 11886
Geographical distribution: ASE, Black Sea 11886
Littoral zone: ASE, Black Sea 11886
- Raphidascarioides blochii,**
New species: ISW, Bangladesh 9189
Parasites: ISW, Bangladesh 9189
- Raphoneis,**
Ageing methods 7093
Evolution 7093
Geographical distribution 7093
Morphology (organisms) 7093
Survival 7093
- Rasbora daniconius,**
Bioassays 13475
Pesticides 13475
- Rasborinae,**
Skeleton 2776
Taxonomy Evolution 2776
- Rastrelliger kanagurta,**
Blood 13031
Canned products 13877
Cold storage 13923
Curing 4519
Electrophoresis 13030, 13031
Eyes 13030
Feeding migrations: ISW 6193
Life cycle: ISW 6193
Proteins 13030, 13031
Storage effects 13923
- Redigobius bikolanus,**
Taxonomy Morphology (organisms) 1516
- Reinhardtius hippoglossoides,**
Stock identification: ANW 12042
- Remora,**
Distribution: ASW, Cuba 9371
Morphology: ASW, Cuba 9371
- Renilla,**
Biochemistry 9219
Bioluminescence 9219
Calcium 9219
Ions 9219
- Renilla koellikeri,**
Bioluminescence 4858
Nervous systems 4858
- Rentius ticto,**
Behaviour 13559
Electric fishing 13559
- Reovirus,**
Bromine 4753
Limnological equipment 4753
Survival 4753
- Reptantia,**
Shellfish fisheries: INE, USA, Oregon 4449
Traps: INE, USA, Oregon 4449
- Reptilia,**
Anatomy 9475
Blood: USA, Texas, Presidio County 8469
Brain 9475
Check lists: ANW, USA, Rhode Island 10659
Check lists: Bahrain 9535
Check lists: USA, West Virginia, Gilmer Co. 336
Disease control 13302
Evolution 9475
Immunology 6323
Ions: USA, Texas, Presidio County 8469
Parasites 13302
pH: USA, Texas, Presidio County 8469
- Rhabditis marina,**
Nutritional requirements 8530
- Rhabdochona,**
New species: Pakistan 7151
- Rhabdochona chanawanensis,**
New species: ISW, Pakistan 12805
- Rhabdochona kisutchi,**
Oncorhynchus kisutch: New species Parasites: Canada, British Columbia 160
- Rhabdopleura compacta,**
Growth 11833
Ultrastructure 11833
- Rhabdosargus holubi,**
Condition factor 394
Fats Feeding behaviour 394
- Rhacodiptomus,**
New species: America, Amazon R. 6130
- Rhacophoridae,**
Taxonomy: Madagascar 8422
- Rhamdia hilarii,**
Fish culture: Brazil 13659
- Rhamdia quelen,**
Fish culture: Brazil 13659

Rhaphidonta,

Geographical distribution: INE, Canada, British

Columbia, Vancouver I. 11608

New species: INE, Canada, British Columbia, Vancouver I. 11608

Shells: INE, Canada, British Columbia, Vancouver I. 11608

Rhaphostomellina posidoniae,

New species: ASE, Aegean 8141

Taxonomy: ASE, Aegean 8141

Rhantus,

Geographical distribution: USA 1478

Taxonomy: USA 1478

Rhaphidascaroides blochii,

Morphology (organisms): ISW, Pakistan 12804

New species: ISW, Pakistan 12804

Parasites: ISW, Pakistan 12804

Rheumatobates prostates,

New species Taxonomy: ISE, Costa Rica 1477

Rhigophila dearborni,

Blood: PSE, McMurdo Sound 11820

Respiration: PSE, McMurdo Sound 11820

Rhincalanus gigas,

Freezing: PS, Antarctica 9576

Rhincodon typus,

Fisheries resources: ISW 6792

Geographical distribution: ISW, Mannar Gulf 4070

Morphology (organisms): ISW, Mannar Gulf 4070

Rhinichthys,

Chromosomes 8366

Hybridization 8366

Reproductive behaviour 8366

Sympatric populations 8366

Rhinichthys atratulus,

Bioassays 4371

Chlorine 4371

Light effects 6285

Parasites: USA, West Virginia, Inland waters 10874

Temperature effects 6285

Rhinichthys osculus,

Parasites: USA, Washington, Inland waters 5281

Rhiniodon,

Taxonomy 10572

Rhinobatus granularis,

Ontogeny Eyes 2803

Rhinodoras d'orbignyi,

Food composition 4147

Rhinogobius pflaumi,

Philometra mariae: Host-parasite systems 13281

Rhinoptera bonasus,

Feeding behaviour Environmental effects: ANW, USA, Maryland 1927

Parasites: ANW, USA, Virginia 6032

Rhinoptericola megacantha,

New species: ANW, USA, Virginia 6032

Parasites: ANW, USA, Virginia 6032

Rhithrogena brodskyi,

New species 9328

Rhithropanopeus harrisi,

Artificial feeding 11973

Biochemistry 4992, 4993

Estuaries 8739

Heavy metals 8739

Hosts: France, Inland waters 3024

Light effects 2954

Nucleic acids 4993

Nutritional requirements 4992

Phototaxis 2954

Pollution effects 8739

Rearing 11973

Toxicity 8739

Rhizictonia solani,

Weeds Biological control: Panama, Canal Zone 2027

Rhizoctonia praticola,

Biodegradation 8757

Rhizophyllum brachiatum,

New species: PSE, Australia, New South Wales 7152

Rhizosolenia,

Morphology (organisms) 7080

Taxonomy 7080

Rhizosoleniaceae,

Morphology (organisms) 7080

Rhodeus ocellatus,

Alarm substances 1689

Rhododictyon bermudensis,

New records: ANW, USA, North Carolina 10714

Rhodomela larix,

Phenols 6012

Rhodomela subfusa,

Biochemistry Chemical composition 145

Rhodomonas,

Taxonomy 11469

Terminology 11469

Rhodophyceae,

Biochemistry 10327

Chemical structure 10327

Fats 11532

Geographical distribution: ASE, Mediterranean 7362

Respiratory pigments 10353

Seaweed products 10327

Sulphides 7523

Taxonomy: ASE, Mediterranean 7362

Rhodophysemma,

Geographical distribution: ANE, France 12745

Rhodophysemma elegans,

Cultures 10291

Rhodophysemma feldmannii,

New species: ANE, France 12745

Rhodophysemma georgii,

Epiphytes 7087

Life cycle 2494, 7087

Reproduction 7087

***Rhodophysemopsis laminariae*,**

Morphology (organisms): INW, Japan, Hokkaido, Hanasaki 12751
New species: INW, Japan, Hokkaido, Hanasaki 12751

***Rhodophyta*,**

Check lists: ANW, North Carolina, Onston Bay 9134
Enzymes 7125
Evolution 10897
Halogens 1330
Morphology (organisms) 10897
New records: ANW, North Carolina, Onston Bay 9134
Photosynthesis: INW, Japan 11525
Photosynthetic pigments 4798
Reproduction 10897
Taxonomy 9139
Temperature effects: INW, Japan 11525

***Rhodopseudomonas sphaeroides*,**

Lagoons 11446
New species 11446
Ultrastructure 11446

***Rhodotorula glutinis*,**

Culture media 10823, 10824
Growth 10823, 10824
Heavy metals 10824
Inhibitors 10824
Salts 10823
Tolerance 10823
Toxicity 10824

***Rhodymenia palmata*,**

Morphology (organisms): INE 11493
Reproduction: INE 11493
Taxonomy: INE 11493

***Rhombus maeoticus*,**

Lethal limits: ASE, Black Sea 9881
Pollution effects: ASE, Black Sea 9881
Sulphides: ASE, Black Sea 9881

***Rhynchobothrium*,**

Morphology (organisms): ANW, USA 6031
Taxonomy: ANW, USA 6031

***Rhynchocinetes rigens*,**

Geographical distribution: ISEW, Ryu-kyu Is. 7373
Morphology (organisms) 7373
New records: ISEW, Ryu-kyu Is. 7373
Taxonomy 7373

***Rhynchodoras woodsi*,**

New species: Ecuador, Amazon R. 7250

***Rhynchohyalus natalensis*,**

Bioluminescence 9781

***Rhynchorhamphus*,**

Taxonomy 7246

***Rhynchorhamphus malabaricus*,**

New species: ISW, India 7246

***Rhynchorhamphus naga*,**

New species: ISW, Thailand 7246

***Ricciaceae*,**

Keys: New Zealand 2512
New records: New Zealand 2512

***Ridgewayia fosshageni*,**

New species: ASW, Panama 219
Symbiosis: ASW, Panama 219

***Riellaceae*,**

Speciation Taxonomy 1304

***Rissoa membranacea*,**

Growth rate: ASE, Black Sea 2969

***Rita rita*,**

Alimentary organs 8378
Electrophoresis 10643
Enzymes 8378
pH 8378
Proteins 10643

***Rithropanopeus harrisii*,**

Larvae 5192
Rearing 5192

***Rivulinae*,**

Morphology (organisms): ASE 7240
Sympatric populations: ASE 7240

***Rivulus cylindraceus*,**

Genetics 8363
Meristic counts 8363
Sex determination 8363
Temperature effects 8363

***Roccus americanus*,**

Growth rate: America, Ontario L. 13230
Length-weight relationships: America, Ontario L. 13230
Numerical analysis: America, Ontario L. 13230

***Rondeletia bicolor*,**

Photosynthetic pigments 7308

***Rondeletiidae*,**

Anatomy 4001
Morphology (organisms) 4001

***Rosaura rotunda*,**

New records: INW, Kuroshio Current 10708

***Rotifera*,**

Biogeography: Nepal 3861
Check lists: India, Andhra Pradesh 4822
Copper 7638
Life cycle 10908
Sampling (biological): Nepal 3861
Zooplankton 10908

***Rouleina attrita*,**

Taxonomy 9376

***Rouleina mollis*,**

Taxonomy 9376

***Rouxia*,**

New species: I, Pacific 2501

***Rowardleus pennensis*,**

New species: USA, Pennsylvania, Susquehanna R. 8156
Parasites: USA, Pennsylvania, Susquehanna R. 8156

***Rudista*,**

Evolution: ASW, Caribbean Isl. 3930
Palaeontology: ASW, Caribbean Isl. 3930

***Ruditapes decussatus*,**

Growth: ASE, Mauritania 1666

Growth rate: ASE, Mauritania 13316
 Size distribution: ASE, Mauritania 13316
 Tagging: ASE, Mauritania 13316
 Tagging Migrations: ASE, Mauritania 1666

***Rugosa*,**

New species: Australia, New South Wales 10107
 Palaeontology: Australia, New South Wales 10107

***Ruppia*,**

Community composition: France, Camargue 7558
 Ecology: France, Camargue 7558
 Geographical distribution: France, Camargue 7558
 Salinity effects: France, Camargue 7558

***Rusophycus radwanskii*,**

New species: USA, California 10105

***Rutiderma leloevffi*,**

New species: ASE, Ivory Coast 2691

***Rutilus rubilio*,**

Taxonomy: Italy, Garda L. 272

***Rutilus rutilus*,**

Condition factor: Finland, Kiutajaervi L. 10889
 Eggs: Sweden, Avaa L. 6758
 Food organisms: USSR, Soligorsk Reservoir 6501
 Growth rate: Czechoslovakia, Bohemia, Klicava reservoir 4170
 Growth rate: USSR, Soligorsk Reservoir 6501
 Larvae: USSR, Soligorsk Reservoir 6501
 Locomotion: Finland, Kiutajaervi L. 10889
 Parasites: Europe, Arctic Ocean Province 5279
 Population density: Czechoslovakia, Bohemia, Klicava reservoir 4170
 Population parameters: ASE, Azov Sea 12041
 Production (biological): Czechoslovakia, Bohemia, Klicava reservoir 4170
 Reproductive organs: Finland, Kiutajaervi L. 10889
 Seasonal variations: Finland, Kiutajaervi L. 10889

***Sabella pavonina*,**

Enzymes 6060

***Sabellaria alveolata*,**

Benthos: ANE, British Isles, Cornwall 7494
 Population dynamics: ANE, British Isles, Cornwall 7494

***Sabellastarte magnifica*,**

Morphology (organisms) 6066
 Respiration 6066

***Sabelliphilidae*,**

Check lists: ISEW, New Caledonia 3159
 Ecosystems: ISEW, New Caledonia 3159
 Morphology (organisms): ISEW, New Caledonia 3159

***Saccharomyces*,**

DNA 2458
 Genetics 2458
 Mutations 2458

***Saccharomycopsis lipolytica*,**

Biodegradation 12174
 Pollution control 12174

***Saccobranchus fossilis*,**

Respiratory organs 6211

***Saccorhiza polyschides*,**

Ecological distribution: ASE, Messina Strait 3259
 New record: ASE, Italy 2875

***Sacculina carcini*,**

Parasites 10501

***Sacoglossa*,**

Electron microscopy 5943, 10424
 Light microscopy 10424
 Methodology 5943, 10424
 Mouth parts 5943, 10424

***Sagamiscintilla*,**

Terminology 2637

***Sagitta*,**

Histology 9175
 Hosts 7472
 Light penetration 3827
 Morphology (organisms) 3827
 Parasitic diseases 7472
 Seasonal variations: ASE, Mediterranean 13350
 Size distribution: ASE, Mediterranean 13350
 Sterility 7472
 Stomach contents: ASE, Mediterranean 13350
 Taxonomy 9175

***Sagitta elegans*,**

Energy budgets 13356
 Life cycle: ANE, Eire, Galway Bay 6561
 Oxygen consumption: PNW, White Sea 12084
 Starvation 13356

***Sagitta enflata*,**

Diurnal rhythm: INW, Japan 10737
 Vertical migrations: INW, Japan 10737

***Sagitta guileri*,**

New species: PSE, Tasmania, D'Entrecasteaux Channel 4843
 Taxonomy 4843

***Sagitta nagae*,**

Vertical distribution: INW, Japan, Suruga Bay 7517

***Sagitta planctonis*,**

Histology 6024
 Morphology (organisms) 6024
 Reproductive organs 6024

***Sagitta setosa*,**

Life cycle: ANE, Eire, Galway Bay 6561

***Saipanetta*,**

Taxonomy 10477

***Salamandra maculosa*,**

Microorganisms Poisons (biological) 771
 Poisons (biological) Antibiotics 771

***Salamandra salamandra*,**

Anatomy Nervous system 302
 Nervous system 8471
 Physiology 8471
 Population studies: Germany, D.R., Elbe valley 5311

***Salangichthys microdon*,**

Biochemistry Pigments 290

***Saldidae*,**

Horizontal distribution: INE, USA 11878

- Salicornia**,
Vegetation cover: ASW, USA, Texas, Mustang
Island 7199
- Salicornia ramosissima**,
Growth 8528
Production (biological) 8528
Tides 8528
- Salicornia stricta**,
Growth 8528
Production (biological) 8528
Tides 8528
- Salinator fragilis**,
Habitat 3922
Life cycle 3922
Light effects 3922
New records: ISW, Arabian Gulf 2614
- Salmacis bicolor**,
Histology Chemical composition 174
- Salmo**,
Biochemistry 5079
Blood 9409
Catch statistics: USA, West Virginia, Spruce Knob
Lake 5667
Chemical properties 9409
Chemical structure 9409
Ecosystems 13943
Feeding: USA, West Virginia, Spruce Knob Lake 5667
Fungal diseases Spores 1767
Genetics 5079
Haemoglobin 5076, 9409
Hybrids 5079
Migrations: British Isles, Inland waters 9560
Mortality causes: Norway, Tovdal R. 12240
Mucus 6200
Numerical analysis 13943
Nutritional requirements Metabolism 391
Pesticides 11055
pH: Norway, Tovdal R. 12240
Pollution effects 11055
Pollution effects: Norway, Tovdal R. 12240
Serological studies 5076
Serological studies: USSR, Armenia, Sevan L. 5049
Skin 6200
SpermStorage 13653
Tagging: British Isles, Inland waters 9560
Taxonomy: USSR, Armenia, Sevan L. 5049
Ultrastructure 6200
Vertical distribution: USA, West Virginia, Spruce Knob
Lake 5667
Viral diseases 11055
- Salmo aguabonita**,
Survival 9647
Viral diseases 9647
- Salmo clarki**,
Age composition: Canada, British Columbia, Vancouver
Is., Great Central L. 6483
Ecology: Canada, British Columbia, Vancouver Is., Great
Central L. 6483
Enzymes 10597
Genetics 10597
Growth: Canada, British Columbia, Vancouver Is., Great
Central L. 6483
Polyploids 10597
Stomach contents: Canada, British Columbia, Vancouver
Is., Great Central L. 6483
- Salmo fario**,
Mouth parts 2766
- Salmo fontinalis**,
Toxicity Aluminium 2000
Toxicity Iron 2000
- Salmo gairdneri**,
Abnormalities: USA, Nebraska, McConanghy L. 6206
Abundance: USA, West Virginia, Spruce Knob
Lake 12463
Acclimation 6303, 9437, 10000
Acidity 8400
Aeration: USA, West Virginia, Spruce Knob
Lake 12463
Aggressive behaviour 11947
Alimentary organs 10569
Amino acids 5070, 6303, 7813
Ammonia 11085
Anaesthetics 13470
Anatomy 7238
Antibiotics 7820
Aquaculture 5590, 5596, 7820, 7822, 8538, 12362
Aquaculture: ASW, USA, Alabama 4458
Aquaculture: USA, Idaho 13700
Aquaculture: USA, North Carolina, Inland
waters 13703
Artificial feeding 4460, 6824, 6829, 7822, 12354
Artificial rearing 10007
Avoidance behaviour 5212
Bacterial diseases 7716
Bacterial diseases: ASE, Italy, Varano L. 4462
Bioaccumulation 5600, 7820, 8740, 11029
Bioaccumulation: Germany, F.R., Rhine R. 8741
Bioassays 13471
Biochemistry 2833, 6303
Biochemistry Nervous systems 1572
Blood 3287, 13018, 13048
Blood cells 9442, 13045
Blood circulation 10553, 10635
Brackishwater aquaculture: Germany, Fed.Rep. 13644
Breeding Rearing 2092
Cage culture 12369
Cage culture: ASE, Italy, Varano L. 4462
Cage culture: USSR 7809
Cage culture Production (biological): Germany, D.R.,
Potsdam 2122
Carcinogens 5600
Catch effort: USA, West Virginia, Spruce Knob
Lake 12463
Catch statistics: ANE, British Isles, Scotland 5176
Chemical analysis 9413
Chemical composition 10569
Chemical pollutants 1991
Chemical stimuli 10633, 11813
Chemoreception 5070, 11813
Chemoreception: America, Michigan L., Oak
Creek 10733

- Chromatographic techniques 9413
 Chromium 8742
 Chromosomes: INW, USSR, Kamchatka 6263
 Circulatory system 10633
 Conservation: USA, North Carolina, Inland waters 13703
 Copper 13471
 Culture tanks Rearing 2098
 DDT 13470
 Disease control 5596, 10649, 10862
 Disease control Viral diseases: Denmark 2994
 Diseases 13301
 Diseases: Malawi 10860
 Diseases: USA, Oregon, Columbia R. 13306
 Drugs 8377, 13048
 Eggs 5060
 Eggs: Turkey 11786
 Electrophoresis 9410
 Embryology 6256
 Embryos 12348
 Energy budgets 11977
 Environmental effects: USA, Idaho 4107
 Enzymes 1568, 2817, 7716, 8376, 8742, 9410, 9887, 13021, 13022
 Enzymes Biochemistry 1570
 Eutrophic lakes: Canada 11179
 Evolution 9442
 Eyes: Malawi 10860
 Fatigue 5083
 Fats 2986, 2987, 9413, 13914
 Fats Feeds 2110
 Fats Food conversion 2097
 Feeding 11977
 Feeding Caesium 1736
 Feeding behaviour 6824, 8538
 Feeds 7813, 8827, 12347, 12354, 12366, 12369, 13635
 Feeds: USSR 7808
 Fish 4460
 Fish culture 7807, 8827, 12372, 13637, 13650
 Fish culture: Norway 13209
 Fish culture: USSR 7809
 Fish culture: USSR, Inland waters 12346
 Fish culture Laboratory research 2120
 Fish culture Rearing: Germany, F.R. 2234
 Fisheries data: USA, Idaho, Snake R. 13857
 Fishery economics 13650
 Fishery management 12364
 Fishery management: USA, Idaho 13700
 Food composition 12362
 Food conversion 2989, 7813
 Freshwater aquaculture 6829, 13629
 Freshwater aquaculture: Germany, Fed.Rep., Hessen, Eder L. 12309
 Freshwater pollution: Germany, F.R., Rhine R. 8741
 Genetics 5590, 9410, 12975
 Geographical distribution 7238
 Glands 9431
 Grafting 8381
 Growth 11184, 12372
 Growth rate 7813, 11977, 13209, 13637
 Growth rate Fats 1712
 Growth rate Nutritional requirements 1712
 Growth rate Population genetics 2087
 Habitat 10007
 Haematology 8376, 8747, 13045
 Hatcheries: Turkey 11786
 Heart 7317
 Histology 6256, 11813
 Homing behaviour: America, Michigan L., Oak Creek 10733
 Hormones 6302, 13057
 Hormones Bioassays 294
 Hosts: USA, Nebraska, McConanghy L. 6206
 Hybridization 5590
 Hybrids 8437
 Hybrids: USSR, Inland waters 12346
 Immunology 9431
 Inhibitors 13048
 Insecticides 13470
 Iodine compounds 13018
 Ion transport 10636
 Juveniles 10569
 Kidney 10261
 Laboratory research 10261
 Lead 4355, 9887
 Liver 2986, 2987, 7327, 8377, 10639, 13021, 13022
 Locomotion 5212
 Marine aquaculture 13629
 Marine aquaculture: ASE, France, Ile de Re 13643
 Mercury 3287, 8740
 Mercury Toxicity 2005
 Metabolism 2987, 8377, 8749, 10639, 11977, 13057, 13474
 Metabolism Chemical analysis 1561
 Metabolites 11996
 Metamorphosis 10653
 Methodology 8377, 8742
 Migrations 10653
 Migrations: America, Michigan L., Oak Creek 10733
 Migrations: ANE, British Isles, Scotland 5176
 Morphology (organisms) 8365
 Mortality 11184
 Mortality causes 12005, 12975
 Mortality causes: Canada 11179
 Mouth parts 265
 Nervous system 13025
 Nutrition 12348
 Nutritional requirements 2986, 7822, 11177, 13629
 Nutritional requirements: USSR 7808
 Nutritional requirements Feeds 2096
 Olfaction 5070, 11947
 Olfaction: America, Michigan L., Oak Creek 10733
 Olfactory organs 8365, 13025
 Ontogeny 6256, 8365
 Ontogeny: Turkey 11786
 Organoleptic properties 13914
 Osmoregulation 6282, 9437, 10635, 10649, 13048
 Osmoregulation Excretory organs 1548
 Oxidation 13914
 Oxygen demand 10004
 Oxygen depletion 7317
 Parasites: USA, Nebraska, McConanghy L. 6206

- Parasites Fish culture: Bulgaria 1756
 Parasitic diseases 3006, 12801
 Parasitic diseases Freshwater aquaculture 415
 PCB 8747, 8749
 Pesticides 5506, 8376, 8758, 8760
 Pesticides: Germany, F.R., Rhine R. 8741
 pH 8402, 10635
 Physiology 5082, 6328, 9442
 Pituitary gland 8381, 12981
 Poisons (biological) 11996
 Pollution effects 3287, 4292, 4355, 5506, 6328, 7716,
 8749, 9887, 11021, 11029, 12226, 12260, 13471, 13474
 Pollution effects Chemical pollutants 509
 Pollution effects Mercury 653
 Pollution monitoring 9887
 Pollution monitoring: Netherlands 4292
 Polymorphism 9442
 Ponds Freshwater oxygen 2094
 Population genetics 434, 9410
 Population genetics Length-weight relationships 2087
 Population genetics Serological studies 2095
 Population genetics Sexual maturity 2087
 Proteins 6302, 9431, 10649, 12366, 13018, 13057
 Rearing 4460, 11184, 13637
 Rearing: ASE, France, Ile de Re 13643
 Reproduction 5057, 12981
 Reservoirs: USA, Idaho 13700
 Reservoirs Heavy metals: USA, Colorado 4356
 Reservoirs Pollution effects: USA, Colorado 4356
 Resource development: USSR 7809
 Resource management: USA, North Carolina, Inland
 waters 13703
 Respiration 8402, 8760
 Respiratory organs 3287, 10636, 11021, 11085
 Respiratory system 5083
 Rheotaxis 4292
 Salinity tolerance 10000
 Seasonal variations 12981
 Serological studies 2833, 6282, 6328, 12366, 13045, 13294
 Serological studies Measuring devices 2450
 Sex determination Hormones 276
 Sex determination Sex ratio 276
 Sex reversal Hormones 276
 Sexual maturity 5960, 11177, 13209
 Skeleton 8365
 Social behaviour 11947, 12364
 Spermatogenesis 12981
 Sport fishing: USA, Idaho, Salmon Falls Creek
 Reservoir 13701
 Sport fishing statistics: USA, West Virginia, Spruce Knob
 Lake 12463
 Starvation 7327, 10569, 11177
 Stocking density 12372
 Strains 10639
 Survival 9647
 Sympatric populations 12364
 Temperature effects 6303, 9437, 10653, 13021, 13022,
 13474
 Temperature effects Bacterial diseases 1789
 Territorial behaviour 8538
 Testes 2817
 Thermal aquaculture: Germany, Fed.Rep. 13644
 Toxicants 8742
 Toxicity 5506, 7621, 8692, 8749, 8758, 11085, 12226,
 12260
 Toxicity: Germany, F.R., Rhine R. 8741
 Tumours 11996
 Ultrastructure 8381
 Viral diseases 3005, 5596, 9647, 12005
 Vision 11947
 Vitamin deficiencies 8417
 Water pollution Detergents 509
 Water temperature Growth rate 2121
 Zinc 13474
Diplostomum spathaceum: Disease control Freshwater
 aquaculture 1805
Vibrio anguillarum: Host-parasite systems 10862
***Salmo irideus*,**
 Acclimation 5084
 Blood 5084
 DNA 10588
 Ion transport 5084
 Oil pollution 11061
 Oogenesis 10588
 Pesticides 11053
 Pollution effects 11061
 Salinity tolerance 5084
***Salmo mykiss*,**
 Chromosomes: INW, USSR, Kamchatka 6263
 Taxonomy: INW, USSR, Kamchatka 6263
***Salmo salar*,**
 Acclimation 12350, 13671
 Acids 6327
 Anadromous migrations: USA, Connecticut, Connecticut
 R. 7821
 Artificial fecundation 7279
 Biochemistry 6327
 Buoyancy 13050
 Conferences: USA, Massachusetts, Boston 6951
 Conservation: USA, Connecticut, Connecticut R. 7821
 Controlled conditions 10853
 Cytology 8326, 9359
 Development 5054
 Diurnal rhythm 7309
 Drugs 11185
 Electromagnetism 7309
 Environmental effects 7394
 Environmental effects: USA, New England 7395
 Evolution: ANE, Baltic 9681
 Evolution: PNW, White Sea 9681
 Eyes 8326
 Fats 10853
 Feeding 8326
 Fish culture: Canada, Newfoundland 13640
 Fish culture: USA, New England 7800
 Fisheries regulations: USA, Connecticut R.basin 7914
 Fishery management: USA, Maine 7771
 Fishery surveys: Canada, New Brunswick 7802
 Fishing mortality: ANE, Baltic 10058
 Fishways 7743
 Fishways: Canada, Nova Scotia, Tusket R. 5529
 Fishways: USA 7742

- Fry 13050
 Fry: ANW, Canada, New Brunswick 11903
 Gases 9427
 Genetics 12975
 Growth 9418, 9419, 10853
 Growth rate 5059
 Habitat improvement: ANW, USA 6951, 7394
 Habitat improvement: Canada, Newfoundland 13640
 Habitat improvement: USA, New England 7393
 Habitat improvement: USSR, Kola Peninsula 5597
 Hatcheries: USA, New England 7800
 Histology 9438
 Homing behaviour Fry 358
 Hormones 9418, 9419
 Hypercapnia 6327
 Insecticides 13444
 Irradiation 7279
 Juveniles 12350
 Lesions 9438
 Light effects 5054, 9419, 13671
 Locomotion: USSR, Inland waters 5177
 Methodology Aquaculture 864
 Migrations: ANW, Canada, Newfoundland 11902
 Migrations: Canada, New Brunswick, Big Salmon R. 10734
 Mortality causes 11185, 12975
 Mortality rate 10853
 Muscular system 6327
 Nutritional requirements 10853
 Oxygen consumption 5054
 Pituitary gland 7294, 9359, 9419
 Pollution effects 13444
 Polymorphism: ANE, Baltic 9681
 Polymorphism: PNW, White Sea 9681
 Population genetics: British Isles, Inland waters 6546
 Population parameters: ANE, Baltic 10058
 Production (biological): ANE, Baltic 10058
 Production (biological): Canada, New Brunswick 7802
 Reproduction rate: USSR, Kola Peninsula 5597
 Reproductive organs
 Resource management: USA, New England 7395
 Respiration 9427
 Salinity effects 13671
 Salinity tolerance 9418, 9419, 12350
 Sampling (biological) Stock assessment: British Isles, Scotland, North Esk R. 1007
 Serological studies: British Isles, Inland waters 6546
 Sexual maturity 5059, 7294
 Skeleton: ANE, Baltic 9681
 Skeleton: PNW, White Sea 9681
 Spawning: USA, New England 7395
 Stock assessment: ANE, Baltic 10058
 Stocking: Canada, Newfoundland 13640
 Stocking: USA, Connecticut, Connecticut R. 7821
 Stocking: USA, New England 7801, 7802
 Stress 11185
 Swim bladder 9427
 Tagging 9438, 13050
 Tagging: ANW 10734
 Tagging: ANW, Canada, New Brunswick 11903
 Tagging: Canada, New Brunswick 7801
 Tagging: Canada, New Brunswick, Big Salmon R. 10734
 Tagging: Canada, Nova Scotia 7801
 Temperature effects 9438, 13671
 Toxicity 13444
 Vitamins
Diplostomum spathaceum: Host-parasite systems: ANW, Canada, New Brunswick 11903
Discocotyle sagittata: Host-parasite systems: ANW, Canada, New Brunswick 11903
Neoechinorhynchus rutili: Host-parasite systems: ANW, Canada, New Brunswick 11903

Salmo trutta
 Anatomy 6198
 Aquaculture 5595, 8574
 Artificial fecundation Environmental factors 2108
 Artificial feeding 4140
 Artificial spawning 5595
 Chemical composition 13028
 Chromosomes 6250
 Chromosomes: USSR, Ropsha 6266
 Colour 8826
 Diseases 6515, 6516
 Diseases: British Isles, Devon, Fernworthy Reservoir 9654
 Eggs 11787
 Embryology 12979, 13481
 Environmental factors: British Isles, Scotland, Aberdshire, Loch of Strathbeg 7425
 Excretion 13046
 Feeding 4143, 8574
 Feeding behaviour: India, Beas R. 13257
 Freshwater aquaculture 8826
 Genetics 6250, 7291, 12975
 Genetics: Sweden, Bunnarsjoarna L. 11783
 Growing ponds 4459
 Growth 4131
 Growth: Sweden 10811
 Growth rate: British Isles, Scotland, Aberdshire, Loch of Strathbeg 7425
 Growth rate Food availability 387, 388
 Hormones 6198
 Hosts: Turkey, Munzur Stream 7467
 Hybridization 7291
 Iron 13481
 Length-weight relationships 8574
 Length-weight relationships: British Isles, Scotland, Aberdshire, Loch of Strathbeg 7425
 Lesions 6516
 Metabolism 13046
 Migrations: USA, Michigan, Pine R. 10738
 Mortality causes 12975
 Mucus 11806
 Nerves 6198
 Nutritional requirements 4140
 Oil pollution 11061
 Palatability 8826
 Parasites: British Isles, Devon, Fernworthy Reservoir 9654
 Pollution effects 11061, 13481
 Pollution effects: USA, Wisconsin, Black Earth Creek 4343

- Population density: Sweden 10811
 Population density: USA, Michigan, Pine R. 10738
 Proteins 13028
 Radioisotopes 13481
 Rearing: Germany, F.R., Bavaria, Walchen L. 9997
 Regional variations: Sweden 10811
 River flow 11787
 Size distribution: Sweden 10811
 Skeleton 4131
 Skin 11806
 Stock assessment Tagging: British Isles, Kinross, Leven L. 1013
 Sympatric populations: Sweden, Bunnarsjoarna L. 11783
 Temperature effects 4140, 4143, 6516, 8574, 13046
 Testes 13028
Salmonella,
 Annual variations: Germany, Fed.Rep., Braunschweig 6623
 Antibiotics: Czechoslovakia, Danube R. 9666
 Bacterial diseases 9644
 Culture media: ANE, British Isles, Scotland, Tay Basin 13411
 Fish meal 8881, 8889
 Microbial contamination 8889
 Microbial contamination: Germany, Fed.Rep., Braunschweig 6623
 Microbiology Food technology 2215
 Public health: Germany, Fed.Rep., Braunschweig 6623
 Sewage effluents Microbial contamination: Czechoslovakia, Danube R., Bratislavia 1944
 Strains: Czechoslovakia, Danube R. 9666
 Survival: Czechoslovakia, Danube R. 9666
 Waste water: Czechoslovakia, Danube R. 9666
 Water quality: Germany, Fed.Rep., Braunschweig 6623
Salmonella anatum,
 Bioaccumulation Seasonal variations: ISEW, Hong Kong, Deep Bay 2205
Salmonella tennessee,
 Indicator organisms 11439
 Laboratory methods 11439
Salmonella typhimurium,
 Diseases 4159
 Microbial contamination 4159
 Mutations 7704
 Survival 2947
 Temperature effects 2947
Salmonellae,
 Microbial contamination: USA, Georgia 3176
 Rivers: USA, Georgia 3176
Salmonidae,
 Anadromous migrations 343
 Anadromous migrations Survival: USA, Columbia R. 958
 Aquaculture 5589
 Artificial fecundation 5589
 Artificial spawning Stocking: Japan 2176
 Bacterial diseases 13277
 Behaviour 11732
 Bioaccumulation: America, Michigan L. 13465
 Bioassays 13469
 Cage culture: ANE, Baltic, Kiel Fjord 5591
 Chemical composition 6881
 Chemical stimuli 9566
 Chromosomes 8437
 Conservation of natural resources 9960
 Disease control: New Zealand 3404
 Diseases 13277
 Diseases: New Zealand 3404
 Echosounding: IN, Bering Sea 10049
 Ecology Introduced species: Kerguelen Is. 865
 Economics: Europe 13626
 Electric fences Smolts 937
 Enzymes 6543, 10600
 Evolution 10597, 11732
 Evolution Speciation 436
 Feeds 3403
 Feeds: USSR 5603
 Fish culture 13675
 Fish culture: Europe 5586, 13626
 Fish culture: Germany, F.R., Inland waters 8756
 Fish culture: INE, Canada, British Columbia 6834
 Fish culture: Japan 13636
 Fish culture: Norway 9664
 Fish culture: USSR 5603, 7804, 7811
 Fish culture Production (biological): Norway 3398
 Fisheries: INE 12535
 Fisheries data: USA, Idaho 13866
 Fisheries management 12326, 13864
 Fishery economics: INE, USA, Alaska 12493
 Fishery economics Mathematical models 1070
 Fishery management: USA coasts 4538
 Fishery management: USA, Idaho, Selway R. 13856
 Fishery management: USA, Idaho, Silver Creek 13867
 Fishery organizations: Canada 12535
 Fishery surveys: New Zealand, Christabel L. 11201
 Fishery surveys: USA, Idaho 13866
 Fishery surveys: USA, Idaho, Pend Oreille L. 13868
 Food chains: Canada, British Columbia 6601
 Freshwater Rivers 1608
 Freshwater aquaculture 7888
 Freshwater aquaculture: USSR 5603, 7810
 Fry 11732
 Gases 13024
 Genetics 10600
 Genetics Aquaculture 897
 Growth rate 6823
 Hatcheries: New Zealand 3404
 Hatcheries: USA, Idaho 13698, 13699
 Hatcheries Aquaculture statistics: Australia, New South Wales, Tumut R. 902
 Homing behaviour 9566
 Human food 6881
 Hybrids 6823
 Industrial wastes 13469
 Inland fisheries: British Isles, Scotland 12327
 Introduced species 13665
 Introduced species: USSR 7804
 Learning behaviour 9566
 Marine aquaculture 7888
 Marine fisheries 12326

Marketing fishery products 7888
 Metamorphosis 11732
 Migrations 9960
 Migrations: ANW, Greenland 5175
 Migrations: USA, Idaho, Selway R. 13856
 Mortality causes: Europe 13626
 Nutrients (mineral) 13636
 Nutritional requirements 13636
 Nutritional requirements Amino acids 872
 Nutritional requirements Proteins 872
 Palatability 7888
 Pathology 13024, 13277
 Physiology 11732
 Pollution effects 13469
 Polymorphism 6543, 10600
 Ponds 13675
 Population genetics 6543, 9678
 Population growth: USA, Idaho, Selway R. 13856
 Population studies: USA, Idaho 13866
 Population studies: USA, Idaho, Silver Creek 13867
 Predation: Canada, British Columbia 6601
 Quality control 7888
 Radioactive wastes: America, Michigan L. 13465
 Reproduction 13024
 Resource development: USSR 7811
 Sexual reproduction 7278
 Simulation 13864
 Sport fishing 13866
 Sport fishing: USA, Idaho 13700
 Sport fishing: USA, Idaho, Selway R. 13856
 Sport fishing: USA, Idaho, Silver Creek 13867
 Stock assessment: IN, Bering Sea 10049
 Stocking 13665
 Stocking density 13675
 Surrounding nets 12329
 Survival: USA, Idaho 13699
 Tagging: ANW, Greenland 5175
 Temperature effects: America, Michigan L. 13465
 Thermal plumes: America, Michigan L. 13465
 Vitamin deficiencies 6486
 Water quality 4102

***Salmonoidea*,**
 Blood circulation 10575
 Histology 10575
 Lesions 10575
 Spawning 10575
 Ultrastructure 10575

***Salmonoidei*,**
 Anatomy 10896
 Evolution 10896
 Histology 10896
 Taxonomy 5048

***Salpa aspera*,**
 Feeding: ISW, Great Australian Bight 6505
 Stomach contents: ISW, Great Australian Bight 6505

***Salpidae*,**
 Biogeography 4059
 Taxonomy 4059

***Salpingoeca minor*,**
 New species: PNW, Barents Sea 9121

***Salpingoeca spinifera*,**
 Taxonomy: PNW, Barents Sea 9121

***Salvelinus fontinalis*,**
 Toxicity 12229

***Salvelinus*,**
 Acclimation 9582
 Electrophoresis Proteins 1493
 Evolution Speciation 436
 Hybrids 9582
 Morphology (organisms): USSR, Kamchatka 9383
 Polymorphism Proteins 1493
 Proteins Taxonomy 1493
 Taxonomy: Holarctic Region 9383
 Taxonomy: USSR, Sakhalin 436
 Temperature effects 9582
 Temperature tolerance 9582

***Salvelinus alpinus*,**
 Autecology: Germany, F.R., Bavaria 8526
 Avoidance behaviour 11940
 Biology: Austria, Achensee L. 10828
 Environmental factors: Germany, F.R., Bavaria 8526
 Feeding behaviour: Austria, Achensee L. 10828
 Food organisms: Austria, Achensee L. 10828
 Hosts: Canada 9657
 Hosts: USA, Alaska 9657
 Life cycle: INW, Commodore Is., Bering I. 7276
 Marking Stock assessment: Austria 1016
 Olfaction 11940
 Polymorphism: Holarctic Region 9383
 Population studies: INW, Commodore Is., Bering I. 7276
 Population studies: USSR, Kamchatka 9383
 Subpopulation Population genetics: Europe, Constance L. 1825

***Salvelinus fontinalis*,**
 pH 6317
 Tolerance 6317

***Salvelinus fontinalis*,**
 Acclimation 8406
 Brain 8406
 Chemical composition 8406
 DDT 11028
 Degradation 11028
 Disease control 12004
 Eggs 11028
 Genetics 7291
 Growth 6475
 Growth rate Environmental effects 1714
 Habitat Protective behaviour 1693
 Hormones 6302, 6475, 8383
 Hybridization 7291
 Hybrids 8437
 Juveniles 13180
 Liver 3290
 Metabolic rate 8383
 Metabolism 6475
 Methodology 8383
 Mortality causes: USA, North Carolina 11139
 PCB 3290
 pH: USA, North Carolina 11139

- Pollution effects 3290, 11013, 11028, 12260
 Pollution effects: USA, North Carolina 11139
 Proteins 6302
 Radioactive tracers 8383
 Reproduction 3290
 Sediment structure 13180
 Sport fishing statistics: USA, West Virginia, Otter Creek 2181
 Succession 11013
 Survival 13180
 Temperature effects 8406
 Testes 3290
 Therapy 12004
 Toxicity 12260
 Viral diseases 1178, 12004
 Watching 13180
- Salvelinus malma*,**
 Abundance: INW, Japan 9522
 Geographical distribution: INW, Japan 9522
 Seasonal variations: INW, Japan 9522
- Salvelinus namaycush*,**
 Population dynamics: America, Superior L. 3046
 Toxicity 7621
- Salvinia*,**
 Biological control 8800
 Plant control: Southeast Asia 9957
- Sandalops*,**
 Buoyancy 2632
 Morphology (organisms) 2632
- Sandalops melancholicus*,**
 Development 6094
 Eyes 6094
- Sandersiella bathyalis*,**
 Geographical distribution: ASW, Brazil 8500
 Morphology (organisms): ASW, Brazil 8500
- Saprolegnia*,**
 Growth rate 5955
 Microorganisms Water analysis (biological) 556
 Morphology 4162, 5955
 Serological studies 4162
 Taxonomy 4162
 Water pollution Water analysis (biological) 556
 Water sampling Microorganisms 556
- Saprolegnia anisospora*,**
 Genetics 4749
 Polymorphism 4749
 Spores 4749
 Temperature effects 4749
- Saprolegnia megasperma*,**
 Hosts 5275
 Parasites 5275
 Reproduction 5275
- Saprolegniaceae*,**
 Diseases 11994
 Ecology 2473
 Growth: USA, New York, Wallkill R. 10975
 Reproduction 2473
 Salinity effects 2473
- Seasonal variations: USA, New York, Wallkill R. 10975
 Temperature effects: USA, New York, Wallkill R. 10975
- Sarda chiliensis*,**
 Age composition 5230
 Growth rate 5230
 Otoliths 5230
 Resource development Fishery products: Peru 3542
- Sarda orientalis*,**
 Larvae: ASE 11888
- Sarda sarda*,**
 Stock assessment: PSW, Argentina 6789
- Sardina*,**
 Canned products: Brazil 10080
 Catching methods: ASE, Mediterranean 13565
 Fish catch statistics: ASE, Portugal 980
 Marketing: Brazil 10080
- Sardina pilchardus*,**
 Coring: France 5682
 Echo surveys 11211
 Electrophoresis 13058
 Enzymes 4012
 Methodology 11211
 Polymorphism 4012
 Population parameters 11211
 Preservation (fishery products): France 5682
 Regional variations 11211
 Serological studies 4012
 Size distribution 11211
 Spawning: ASE, Trieste Gulf 2808
 Subpopulation 13058
- Sardinella*,**
 Abnormalities: ISW, India 4043
 Fisheries: ASE, Ghana 11160
 Processing fishery products 3516
 Reproductive organs: ISW, India 4043
 Reproductive organs Abnormalities: ISW, India 1510
- Sardinella aurita*,**
 Ageing methods: ASE, Congo, People's Rep., Pointe-Noire 8556
 Coring 5696
 Fisheries: ASE, Ghana 11160
 Growth: ASE, Congo, People's Rep., Pointe-Noire 8556
 Mathematical models: ASE, Congo, People's Rep., Pointe-Noire 8556
 Preservation (fishery products) 5696
 Spawning seasons: ASW, Cuba, Bank of Campeche 13360
- Sardinella brasiliensis*,**
 Currents: ASW, Brazil 8361
 Development: ASW, Brazil 8360
 Larvae: ASW, Brazil 8360
 Life cycle: ASW, Brazil 8359
 Spawning grounds: ASW, Brazil 8361
 Spawning seasons: ASW, Brazil 8359
- Sardinella longiceps*,**
 Blood 13031
 Canning Cured products: ISW, India 3531
 Canning Preservation (fishery products) 3533

Cold storage 13923
 Electrophoresis 13030, 13031
 Eyes 13030
 Fish meal 4521
 Fish oil extraction 4517
 Fish oils 4517
 Fish oils Fish meal: ISW, India 3546
 Fisheries: ISW, India 3375
 Fishery products: India 3495
 Proteins 13030, 13031
 Serological studies 13029
 Storage effects 13923
***Sardinops caerulea*,**
 Ichthyoplankton Surveys: ISE, California Gulf 1033
 Stock assessment Ichthyoplankton: ISE, California Gulf 1033
***Sardinops ocellata*,**
 Aerial surveys: ASE, Atlantic 13853
 Echo surveys: ASE, Atlantic 13853
 Stock assessment: ASE, Atlantic 13853
***Sardinops sagax*,**
 Abundance: ISE, California Gulf 13772
 Catch effort: ISE, California Gulf 11251
 Geographical distribution: ISE, California Gulf 13772
***Sardinopsis sagas*,**
 Echo surveys: ISE, California Gulf 11217
 Fishery surveys: ISE, California Gulf 11217
***Sargassaceae*,**
 Geographical distribution Community composition:
 INW, Japan, Inland Sea 1634
***Sargassum*,**
 Taxonomy: ASW, Venezuela 11484
***Sargassum confusum*,**
 Community composition: INW, Japan 4229
***Sargassum filipendula*,**
 Cytology 7118
 Lesions 7118
 Regeneration 7118
***Sargassum muticum*,**
 Epiphytes: ANE, British Isles, The Solent 334
 Horizontal distribution Seasonal variations: ANE, British Isles, The Solent 334
 Regeneration 2970
 Reproduction Life cycle 2514
***Sargassum obtusifolium*,**
 Life cycle: ISE, Hawaii 9587
***Sargassum oligocystum*,**
 Life cycle: ISE, Hawaii 9587
***Sargassum polyphyllum*,**
 Life cycle: ISE, Hawaii 9587
***Sargassum thunbergii*,**
 Eggs Physiology 2516
 Embryology 11499
***Sargassum vulgare*,**
 Chemical composition: ASE, Mediterranean 6009
***Sarotherodon mossambicus*,**
 Detritus feeders 6494

Digestion 6494
 Microorganisms 6494
 pH 6494
***Sarotherodon niloticus*,**
 Feeding: Africa, Rudolf L. 9623
 Feeding behaviour: Africa, Rudolf L. 9623
***Saurenhelys cancrivora*,**
 New records: ASW 13151
***Sauria*,**
 DNA 6359
***Saxidomus giganteus*,**
 Bioaccumulation 3350
***Scaholeberis kingi*,**
 Embryology: World Tropical Regions 12906
 Larvae: World Tropical Regions 12906
 Life cycles: World Tropical Regions 12906
 Regional variations: World Tropical Regions 12906
***Scandia tubithecra*,**
 New species: ISW, Seychelles 9173
***Scapharca deyrollei*,**
 Haemoglobin 3941
 Radioactivity 3941
***Scaridae*,**
 Social behaviour: ASW, Puerto Rico 10782
***Scaridium bostjani*,**
 New species: Nepal 3861
***Scenedesmus*,**
 Amino acids 9152
 Biochemistry 9152
 Chemical structure 9152
***Scenedesmus*,**
 Copper 10341
 Environmental effects Chemical composition 150
 Fats Biochemistry 150
 Indicator organisms 11474
 Morphology (organisms) 11474
 Nutrients (mineral) 11474
 Phosphorus Bioassays 1332
 Polymorphism 11474
 Survival 10341
 Taxonomy 11474
 Toxins 10341
 Ultrastructure 10341
***Scenedesmus acutus*,**
 Bioaccumulation 13480
 Cultures 13480
 Herbicides 13480
 Metabolism 3127
 Nucleic acids 3127
 Production (biological) 3127
***Scenedesmus obliquus*,**
 Biochemistry 13224
 Culture media 7126, 7127, 7128
 Growth rate 13224
 Iron 13224
 Photosynthesis 7126, 7127, 7128
 Starvation 13224

- Cenedesmus obtusiusculus*,
Calcium 8535
Cytology 8535
Journal rhythm Physiology 1338
Environmental effects 8535
Growth regulators 5502
Inhibitors 5502
CB 5502
- Cenedesmus protuberans*,
Chlorophylls 9607
Cultures 9607
Growth 9607
Light effects 9607
- Cenedesmus quadricauda*,
Bioaccumulation 10330
Cell division: Netherlands, Tjeukemeer 12758
Cultures: Netherlands, Tjeukemeer 12758
Dispersants 11520
Excretion 12766
Growth rate 5329
Light effects: Netherlands, Tjeukemeer 12758
Morphology (organisms): Netherlands,
Tjeukemeer 12758
Oil pollution 11058
Pollution control 8781
Uranium 10330
- Cenedesmus trainorii*,
New species 10308
- Chackoia sellaeforma*,
New species: USA, Alabama 9183
- Chikhobalotrema magnum*,
New species: ASW, USA, Florida 1762
- Chilbe*,
Biometrics Biology: Chad, Chad L., Chari R., Logone
R. 1484
- Chilideria teremachii*,
New records: INW, Japan, Izu I. 2926
- Chistocephalus aculeatus*,
Energy flow 3020
Parasites 3020
- Chistocephalus solidus*,
Parasites 7318
- Chistosoma*,
Diseases: World subtropical regions 10426
Water temperature Parasitology: South Africa, Verwoerd
Dam 725
- Chistosoma mansonii*,
Thermoreception 12012
Life cycle 12012
Parasitic diseases 7476, 12012
Stimuli 12012
- Chistosoma nasalis*,
Parasites 2029
- Chizomeris leibleinii*,
Chromosomes Racial studies 134
Subpopulation Chromosomes 134
Taxonomy Racial studies 134
- Schizomycetes*,
Pesticides Biodegradation 1965
- Schizoporella*,
Keys: ANE 12800
- Schizoporella floridana*,
Skeleton Mineralogy 1306
- Schizoretephora calveti*,
New species 1143
- Schizothoracinae*,
Check lists: Pakistan 7236
Check lists: Pakistan, Inland waters 12966
- Schizothorax richardsonii*,
Histology 9346
Ovaries 9346
Pituitary gland 2797
Reproductive organs 2797
Seasonal variations 9346
Sexual maturity 9346
- Schottera nicaeensis*,
New species: ANE, British Isles 1298
- Sciaenidae*,
Abundance: ASW, Brazil 8491
Check lists: ISW, Pakistan 7235
Ecology: ASW, Brazil 8491
Fish catch statistics: ISW, Pakistan 13766
Fishery surveys: ISW, Pakistan 13766
Geographical distribution: ASW, Brazil 8491
Geographical distribution: ISW, Pakistan 1235
Length-weight relationships: ISW, Pakistan 13766
Spawning: ISW, Pakistan 13766
Stock assessment: ISW, Pakistan 7235
- Sciaenops ocellata*,
Growth rate: USA, South Carolina, South Island 13234
Marshes: USA, South Carolina, South Island 13234
- Scina wagleri*,
New species: ASE, Canary Is., Fuertaventura 6148
- Scintillona stigmatica*,
Geographical distribution: INW, Japan, Honshu 5417
New records: INW, Japan, Honshu 5417
- Scintillorbis*,
Terminology 2637
- Scissurella alexandrei*,
New species: ASW, Brazil, Sao Paulo 4876
- Scissurella electilis*,
New species: ASW, Brazil, Sao Paulo 4876
- Scissurella morretesi*,
New species: ASW, Brazil, Sao Paulo 4876
- Scissurellidae*,
Taxonomy 4876
- Scleractinia*,
Benthos 7543
Biogeography 7543
Cells 10378
Check lists: ASW, USA, Florida 11081
Chemical pollutants 11081
Growth: ASW, Jamaica 9738
Isotopes: ASW, Jamaica 9738

Marine ecology 7543
 Pollution effects 11081
 Skeleton: ASW, Jamaica 9738
 Taxonomy 10378

***Sclerocypris indica*,**

New species: India, Rajasthan Desert 2681

***Sclerocypris rajasthanensis*,**

New species: India, Rajasthan Desert 2681

***Sclerodactyla briareus*,**

Enzymes 11587

***Scleropages formosus*,**

Pituitary gland: Malaysia 6254
 Reproductive organs: Malaysia 6254
 Sexual maturity: Malaysia 6254

***Scolecithricella beata*,**

Taxonomy 10717

***Scolecithricella tropica*,**

New records: ISW 10717

***Scomber*,**

Bibliographies 12465
 Fishery technology 12465
 Pelagic fisheries 12465
 Quota regulations: PSW, Africa 3481

***Scomber japonicus*,**

Bioaccumulation 12231
 Cold storage 13906
 Cured products 13906
 Ecology: INW, Japan Sea 10987
 Ecosystems 12231
 Fats 13873
 Fish catch statistics: INE, Pacific 10060
 Fish catch statistics: INW, Japan Sea 10987
 Microbial contamination 13906
 Migrations: ISEW, East China Sea 10728
 Pollution effects 12231
 Recruitment: INE, Pacific 10060
 Seasonal variations 13873
 Seasonal variations: INW, Japan Sea 10987
 Spawning: INE, Pacific 10060
 Stock assessment: INE, Pacific 10060
 Storage effects 13906
 Tagging: ISEW, East China Sea 10728
 Taxonomy Morphology: ASW, Cuba 2770

***Scomber scombrus*,**

Amino acids Canned products 2185
 Chemical composition 12467
 Coring 8877
 Enzymes 7878
 Enzymes Alimentary organs 1555
 Fats 2184, 12467
 Fish oils Biochemical analysis 1564
 Fishery products 7878
 Irradiation 12485
 Mathematical models: ANW, St. Lawrence Gulf 13331
 Migrations: ANE, Ireland 11899
 Migrations: ANW, Canada, Newfoundland 1671
 Nutritive value 12485
 Nutritive value Canned products 2185
 Palatability 2196

Processing fishery products: ANW, Canada 8863
 Proteins 12467
 Recruitment: ANW, St. Lawrence Gulf 13331
 Skin 2184
 Storage 2184
 Storage effects 2196
 Tagging: ANE, Ireland 2937, 11899

***Scomberesox*,**

Geographical distribution Morphology (organisms):
 ASE 253
 Geographical distribution Morphology (organisms):
 PSW 253
 Growth Nutritional requirements 253
 Taxonomy: ASE 253
 Taxonomy: PSW 253

***Scomberesox saurus*,**

Canned products Pigments 2210
 Eggs: AN 9719
 Fishing gear 13570
 Geographical distribution: AN 9719
 Larvae: AN 9719
 Light fishing 13570
 Vertical distribution: AN 9719

***Scomberomorus cavalla*,**

Fecundity Correlation analysis: ASW, Brazil, Ceara 424

***Scomberomorus commersoni*,**

Gear selectivity: ISW, India, Cochin 4498
 Gillnets: ISW, India, Cochin 4498

***Scomberomorus guttatus*,**

Cold storage 13923
 Storage effects 13923
 Transportation: India 13925

***Scomberomorus maculatus*,**

Population structure Fisheries: ASW, Mexico Gulf 259
 Taxonomy Population structure: ASW, Mexico
 Gulf 259

***Scombridae*,**

Age composition: A, Atlantic 12023
 Baits 12324
 Canned products: Spain 10066, 13913
 Catch effort: ASE, Africa, west coast 12413
 Catch effort Computer programmes 3460
 Catch statistics: A, Atlantic 3448
 Catch statistics Computer programmes 3460
 Catching methods 12324
 Catching methods: ASE, Africa, northwest coast 12325
 Commercial fishing: ASW, Brazil 12324
 Computer programmes Fisheries data 3460
 Conferences: Hawaii, Honolulu 11238
 Data collections: A, Atlantic 3427
 Environmental effects: ASE 11919
 Exploratory fishing: ASW, Brazil 13756, 13756
 Exploratory fishing: PSE, New Zealand 11212
 Fish catch statistics: A, Atlantic 11218
 Fish catch statistics: ASE, Africa, northwest coast 12325
 Fish catch statistics: ASE, Africa, west coast 12413
 Fish catch statistics: ASE, Canary Is. 12414, 12423
 Fish catch statistics: ASE, Morocco, Ceuta 13798
 Fish catch statistics: ASE, West Africa 13859
 Fish catch statistics: ASW, Brazil 3476

- Fish catch statistics: ISW, Malagasy Rep. 5635
 Fish catch statistics: World Oceans 11879
 Fisheries: ASE 5558
 Fisheries: ASE, West Africa 13859
 Fisheries: ISW, Malagasy Rep. 5635
 Fisheries Trade 7895
 Fisheries biology: World Oceans 11238
 Fisheries data: A, Atlantic 11218
 Fisheries data: ASE, Africa, west coast 12413
 Fisheries regulations: A, Atlantic 12439
 Fisheries regulations: Australia coasts 5658
 Fisheries resources: PSE, New Zealand 11212
 Fisheries statistics 2287
 Fisheries statistics: A, Atlantic 12023
 Fishery management: Australia coasts 5658
 Fishery oceanography: ASE, Guinea Gulf 10150
 Fishery surveys: PSE, New Zealand 11212
 Fishing gear: A, Atlantic 11218
 Fishing grounds: ISW 6787
 Fishing vessels: ASE, Canary Is. 12423
 Frozen products: Spain 10066
 Geographical distribution: World Oceans 11879
 Landing statistics: ASW, Puerto Rico 12025
 Length-weight relationships: A, Atlantic 12023
 Line fishing: ASE, Africa, northwest coast 12325
 Line fishing: ASW, Brazil 3476, 12324
 Marine ecology: ASE 11919
 Marine fisheries: A, Atlantic 13860
 Marketing: Japan, Yaizu 13576
 Morphology (organisms): ASE, Mediterranean 6199
 Nutritive value 3487
 Pelagic fisheries: A, Atlantic 13860
 Pelagic fisheries: ASE, Canary Is. 12414
 Pelagic fisheries: ISW, India 12408
 Potential yield: ASW, Brazil 3476
 Processing fishery products Fish conversion 3487
 Quality control: Spain 13913
 Research programmes 2287
 Resource development: ASW, Brazil 12324
 Resource development: ISW, India 12408
 Resource development Fisheries: ISW, India 3378
 Sampling (biological): ASE, Canary Is. 12414
 Sampling (biological): ASW, Puerto Rico 12025
 Sampling (statistical): A, Atlantic 3427
 Seining: ASW, Brazil 12324
 Size distribution: A, Atlantic 11218
 Size distribution: ASE, Africa, west coast 12413
 Size distribution: ASW, Puerto Rico 12025
 Spawning grounds Spawning seasons: ASW, Mexico Gulf 254
 Spawning seasons: ASW, Cuba, Bank of Campeche 13360
 Stock assessment: World Oceans 11238
 Symposia: Spain, Madrid 2287
 Tagging: ASE, Canary Is. 12423
 Taxonomy: ASE, Mediterranean 6199
 Taxonomy Pelagic fisheries: ISW 810
 Terminology: ASE, Canary Is. 12414
 Trade: ASW, Puerto Rico 12025
 Traps: ASE, Morocco, Ceuta 13798

***Scophthalmus maeoticus*,**
 Fecundity: ASE, Black Sea 5604
 Marine aquaculture: ASE, Black Sea 10002
 Rearing: ASE, Black Sea 10002
 Sexual maturity: ASE, Black Sea 5604
 Sexual maturity Fish culture 893
 Sexual maturity Oogenesis 893
 Sexual maturity Spermatogenesis: ASE, Black Sea 892

***Scophthalmus maximus*,**
 Aquaculture 9656
 Artificial feeding 10017, 13669
 Cage culture: British Isles 13641
 Diseases 9656, 13278, 13289
 Feeds 10017, 13641
 Fish culture 13278, 13645
 Food conversion 2989
 Growth 13669
 Growth rate 13641
 Growth rate Artificial feeding 873
 Growth rate Length-weight relationships 873
 Growth rate Nutritional requirements 873
 Kidney 13278
 Liver 13278
 Marine aquaculture 13645
 Marine aquaculture: British Isles 13639
 Nutrition 7443
 Nutritional requirements 10017, 13669
 Nutritional requirements Fish larvae 869
 Parasites 9656, 13289
 Rearing: British Isles 13639
 Rearing Fish larvae 869
 Stocking density 13641
 Survival Fish larvae 869
 Vitamin deficiencies 7443
Coccidia: Host-parasite systems 13289

***Scopimera globosa*,**
 Larvae: Japan, Shizuoka Prefecture, Oota R. 11679
 Ontogeny: Japan, Shizuoka Prefecture, Oota R. 11679

***Scorpaenidae*,**
 New records: ISE, Hawaii 1521

***Scorpaena*,**
 Taxonomy: ASW, Cuba 6217

***Scorpaena agassizi*,**
 Abnormalities: ANW, USA, South Carolina 2916

***Scorpaena pele*,**
 New species: ISE, Hawaii 1521

***Scorpaena porcus*,**
 Carbon 14 Proteins: ASE, Black Sea 1554
 Fats Chemical composition: ASE, Black Sea 283
 Fats Muscular system: ASE, Black Sea 283
 Hormones 6332
 Ion accumulation Carbon 14: ASE, Black Sea 1554
 Nervous systems 6332

***Scorpaenidae*,**
 Ageing methods: INE 6482
 Stock assessment: ANE, Faroe Is. 3467

***Scorpaenodes tredecimspinosus*,**
 New records: ANW, USA, South Carolina 2916

***Scorpaenopsis brevifrons*,**

New species: ISE, Hawaii 1521

***Scorpenidae*,**

Taxonomy: ASW, Cuba 1518

***Scourfieldia*,**

Morphology (organisms) 4808

Taxonomy 4808

***Scripsiella faeroense*,**

Growth rate 12389

***Scrobicularia plana*,**

Circulatory system 4936

Heart 4936

Pollution effects 8759

Radioactive pollution 5507, 7645, 8759

Tides 4936

***Scrophulariaceae*,**

Development 4763

Morphology (organisms) 4763

***Scyliorhinidae*,**

Taxonomy 2743

***Scyliorhinus canicula*,**

Brain 7258

Chemical analysis 8372

Cytology 5022

Drugs 4022

Eggs 8372

Enzymes 9426

Feeding behaviour: ASE, Tunisia 11968

Food consumption: ASE, Tunisia 11968

Haematology 5071

Histochemistry 4022

Nervous systems 4022

Osmoregulation 9426

Physiology 9426

Spleen 5071

Temperature effects Respiration 2830

Toxicity 9426

Ultrastructure 5022, 8372

***Scyliorhinus stellaris*,**

Hypercapnia 10613

Muscular systems 9448

pH 9448

Physiology 10613

Respiratory organs 10613

Temperature effects 9448

***Scylla serrata*,**

Abundance: PSW, South Africa 5305

Alimentary organs 11704

Biochemistry 11704

Breeding: PSW, South Africa 5305

Canned products: ISEW, Malaysia 5704

Circulatory system 4984

Digestion 10847

Enzymes 11704

Enzymes Fats 240

Eyes 12920, 12921

Feeding behaviour: ISEW, Australia, Queensland,

Moreton Bay 10847

Feeding behaviour: PSW, South Africa Rep., Kowie

Estuary 10847

Growth: PSW, South Africa 5305

Hormones Enzymes 240

Muscular systems 12921

Nerves 12920, 12921

Oxygen depletion 4984

Physiology 12920

Population density: PSW, South Africa 5305

Proteins 8287

Serological studies 8287

Statocysts 12920, 12921

Stomach contents: ISEW, Australia, Queensland,

Moreton Bay 10847

Storage effects: ISEW, Malaysia 5704

***Scyllarus*,**

Symbiosis: ASW, Bahama Is. 7595

***Scyllarus posteli*,**

New records: ASE, Spain, Cadiz Bay 13148

Population parameters: ASE, Spain, Cadiz Bay 13148

***Scyllarus sordidus*,**

Development: ISW, India 3972

***Scyphozoa*,**

Development 9221

Enzymes 9221

***Scytosiphonaceae*,**

Chromosomes: INW, Japan, Hokkaido, Muroran 10324

Cytology: INW, Japan, Hokkaido, Muroran 10324

Life cycle: INW, Japan, Hokkaido, Muroran 10324

Reproduction: INW, Japan, Hokkaido, Muroran 10324

***Searsidae*,**

New species: ASE 11738

New species: I, Pacific 11739

Taxonomy: ASE 11738

Taxonomy: I, Pacific 11739

***Sebastes*,**

Acclimation 13176

Age composition: PNW, Barents Sea 11898

Anatomy: INE, USA, California 10138

Availability: ANW, Canada 12409

Biomass: ANW, Canada 12409

Fish protein concentrate 13889

Fishery surveys: ANE 10032

Fishery surveys: ANW, Canada 12409

Food technology 13889

Freezing storage 13903

Horizontal distribution 13176

Noxious organisms: INE, USA, California 10138

Otolith reading: INE 6482

Parasites: INE, USA, California 8152

Sampling (biological): ANW, Canada 12409

Storage effects 13903

Temperature effects 13176

Venom apparatus: INE, USA, California 10138

Vertical migrations: PNW, Barents Sea 11898

***Sebastes alutus*,**

Fishery surveys: IN 7485

Population structure: IN 7485

Subpopulation: IN 7485

Sebastes auriculatus,
Venom apparatus: INE, USA, California 10138

Sebastes baramenue,
Mercury Bioaccumulation 1978

Sebastes emphaeus,
Life cycle: INE, USA, Washington 1508

Sebastes flammeus,
Mercury Bioaccumulation 1978

Sebastes marinus,
Abundance: ANE, Iceland 13153
Abundance: PNW, Barents Sea 5628
Bottom trawls: ANE, Iceland 13153
Catch effort: ANW 12453
Fish catch statistics: ANW 12453
Fishing effort: ANW 12453
Geographical distribution: ANE, Iceland 13153
Juveniles: PNW, Barents Sea 5628
Microbiological analysis 5693
Regional variations: ANE, Iceland 13153
Storage effects 5693
Yield: ANW 12453

Sebastes melanops,
Freezing storage 13901
Storage effects 13901

Sebastes mentella,
Abundance: PNW, Barents Sea 5628
Juveniles: PNW, Barents Sea 5628

Sebastes mystinus,
Life cycle: INE, USA, California 11725

Sebastodes caurinus,
Metals Detoxication 1591

Sebastolobus alascanus,
Otolith reading: INE 6482

Sequapallene insignatus,
Taxonomy New species: PSE 2736

Selachiformes,
Nutritive value Muscular system 2186
Proteins Chemical analysis 2186
Proteins-Muscular system 2186
Proteins Nutritive value 2186

Selachii,
Amino acids: India, Kakinada 12723
Carbohydrates 6274
Check lists: ASE, Mauritania 12938
Development Ultrastructure 2778
Fishery products 1035
Liver Fish oils: ASW, Brazil 2193
Noxious organisms: Australia coasts 4639
Sport fishing: ASW, USA, Texas 10093

Selachoides,
Olfactory organs 8340

Selenastrum capricornutum,
Bioassays 10289
Nutrients (mineral) 10289
Toxicity 7704
Water analysis (biological) 10289

Semele decisa,
Size distribution: INE, USA, California 13142

Semotilus atromaculatus,
Aggressive behaviour: USA, Ohio 10766
Electrophoresis 9422
Enzymes 9422
Habitat: USA, Ohio 10766
Hosts 8157
Light effects 9422
Regional variations: USA, Ohio 10766
Reproductive behaviour: USA, Ohio 10766
Temperature effects 9422

Semotilus margarita,
Morphology (organisms): USA, Maryland, Hamilton Run 10561
Reproductive behaviour: USA, Maryland, Hamilton Run 10561
Seasonal variations: USA, Maryland, Hamilton Run 10561
Sexual dimorphism: USA, Maryland, Hamilton Run 10561

Senilia,
Morphology (organisms) 4903
Taxonomy 4903

Sepia officinalis,
Alimentary organs 11632
Assimilation 11632
Chromatographic techniques 2646
Glands 2646
Nervous system 10448
Pigments 2646
Temperature effects 11632

Sepia pharaonis,
New records: ANE, Netherlands 4871
New records: ASW, France, Arcachon 5135
Shells: ANE, Netherlands 4871

Sergestes,
Feeding behaviour Vertical distribution: ASW, Bermuda, Sargasso Sea 355

Seriola quinqueradiata,
Communities: INW, Japan, Sendai Bay 10951
Fats 13899, 13900
Fish culture: Japan 13649
Freezing storage 13899, 13900
Marine aquaculture: Japan 13649, 13649
Mercury Bioaccumulation: INW, Japan 581
Mercury Food chains: INW, Japan 581
Nitrogen 13900
Proteins 13899
Rearing Aquaculture: Japan 903
Thermal aquaculture: Japan 13582

Serolis,
Morphology (organisms): ASW, Brazil 4063
New records: ASW, Brazil 4062, 4063

Serolis completa,
Developmental stages: ASW, Brazil, Ilha Sumitica 4946

Serolis foresti,
Morphology (organisms): ASW, Brazil 3949
New record: ASW, Brazil 3949

Serolis inermis,
New species: ASW, Brazil 4063

- Serolis mirabilis*,**
New species: ASW, Brazil 11662
- Serolis polaris*,**
Reproductive behaviour 5207
- Serolis similis*,**
New species: ASW, Brazil 4062
- Serolis tropica*,**
New records: ISE, Panama 4950
New species: ISE, Panama 4950
- Serpentes*,**
Diving 7338
Heart 7338
- Serpulidae*,**
Benthos: ASE, Italy, Riva Trigoso Bay 4431
- Serranidae*,**
Biology Population dynamics: ASW, Jamaica 255
Digestion: ASW, Cuba 5270
Hermaphrodites: ASW, Puerto Rico 10783
Social behaviour: ASW, Puerto Rico 10783
- Serranus cabrilla*,**
Artificial spawning 13702
Hormones 13702
- Serrasalminae*,**
Keys 9357
Taxonomy 9357
- Serratia*,**
Sardinella longiceps: Morphology (organisms)
Biochemistry 3007
- Serratia marinorubra*,**
Chemical extraction 10132
Dissolved materials 11451
Growth 11451
Toxicity 11451
- Sesarma catenata*,**
Calcium Moulting 1463
- Shigella*,**
Biochemistry 9109
Water analysis (biological) 9109
- Shigella flexneri*,**
Temperature tolerance: Iran, Karadj R. 8085
- Shigella sonnei*,**
Sea water 9110
Survival 9110
Water analysis (biological): ASE, Trieste Gulf 9097
- Sialis fuliginosa*,**
Environmental effects: British Isles, Sussex 8679
Predation: British Isles, Sussex 8679
- Siboglinum*,**
New species: ISEW, Molucca Isl. 2848
- Siboglinum ekmani*,**
Haemoglobin 12825
Oxygen 12825
- Siboglinum fiordicum*,**
Artificial rearing 9212
Cell division 9212
Development 9212
Embryos 9212
- Fertilization 3914
Morphology (organisms) 3900
Nervous systems 3900
Ontogeny 3914
Taxonomy 3900
- Sicyonia brevirostris*,**
Food quality: ASW, USA, Florida 10270
Freezing storage: ASW, USA, Florida 10270
Microorganisms: A, Atlantic 5407
Microorganisms: ASW, USA, Florida 10270
- Sicyopterus*,**
Fisheries: IS 6851
- Siderocapsa*,**
Morphology (organisms) 4750
Taxonomy 4750
- Siderocapsa hexagonata*,**
New species 4750
- Siderocapsa quadrata*,**
New species 4750
- Siderocapsaceae*,**
Taxonomy 3835
- Sierrathrissa leonensis*,**
Meristic counts: Nigeria, Kainji L. 9361
Speciation: Nigeria, Kainji L. 9361
Taxonomy: Nigeria, Kainji L. 9361
- Siganidae*,**
Marine aquaculture Resource development 2090
- Siganus*,**
Biological collections: ISEW, Java 7267
Condition factor 12488
Fisheries: IS 6851
Fixation 12488
- Siganus canaliculatus*,**
Fish culture 10604
Hormones 10604
Seasonal variations 10604
Spawning seasons 10604
- Siganus oramin*,**
Artificial fecundation 10001
Fish culture 10001
Fish larvae 10001
Spawning 10001
- Siganus spinus*,**
Food composition: ISEW, Guam 6499
Stomach contents: ISEW, Guam 6499
- Silphidae*,**
Histology 3979, 3979
- Siluridae*,**
Artificial rearing: Ivory Coast, Bouake 10011
- Silurus glanis*,**
Feeding: USSR, Volga Delta 12285
Fish culture 13651
River discharge: USSR, Volga Delta 12285
- Simocephalus vetulus*,**
Herbicides 13482

Oxygen consumption 13482

Respiration 13482

Toxicity 13482

***Simochromis diagramma*,**

Courtship 2951

Reproductive behaviour 2951

***Simuliidae*,**

Diseases: Germany, D.R., Mecklenburg 9645

Geographical distribution: Japan, Yamanashi

Prefecture 6414

New records: Japan, Yamanashi Prefecture 6414

***Simuliidae*,**

Electron microscopy 12928

Insecticides: USA, South Carolina 9959, 10866

Insecticides Toxicity: Canada, Quebec 788

Larvae: Tahiti 10531

Larvae: USA, South Carolina 10866

Morphology (organisms): USSR 9320

New species: USSR 9320

Nutritional requirements Population dynamics:

Germany, Fed.Rep., Baden-Wuerttemberg, Mettma R. 423

Parasites: USA, South Carolina 10866

Pollution effects: Germany, Fed.Rep., Baden-Wuerttemberg, Mettma R. 423

Respiratory organs 12928

Ultrastructure 12928

***Simulium*,**

Gut contents 11986

Larvae Suspended matter 320

***Simulium cheesmanae*,**

Biometrics: Tahiti 10531

***Simulium ornatum*,**

Reproductive behaviour Colour: Norway, Renaa

R. 1696

***Simulium oviceps*,**

Morphology (organisms): Tahiti 10531

***Simulium tescorum*,**

Feeding mechanisms: USA, Colorado R. 8571

Filter feeders: USA, Colorado R. 8571

Larvae: USA, Colorado R. 8571

***Simulium virgatum*,**

Life cycle: USA, Oklahoma 4999

Population dynamics: USA, Oklahoma 4999

***Sinularia dissecta*,**

Biochemistry 9223

Chemical structure 9223

***Siphona geniculata*,**

Abundance: British Isles, England, Reading 10859

Biological control: British Isles, England,

Reading 10859

Parasites: British Isles, England, Reading 10859

***Siphonaria variabilis*,**

Morphology (organisms) 3838

Sexual reproduction 3838

***Siphonophora*,**

Check lists Distributional charts: ISW 2557

Ecosystems: ISW 4252

Keys Taxonomy: ISW 2557

Morphology (organisms): ISW, India 3866

New records: ISW, India 3866

Respiration: ISE 3115

Symbiosis: ISW 4252

***Sipuncula*,**

Autecology: ASE, Adriatic 11542

Biogeography: ANW, USA, North Carolina 4064

Check lists: ASE, Adriatic 11542

Evolution: World oceans 7154

Geographical distribution: ASE, Adriatic 11542

***Sipunculoidea*,**

Geographical distribution: ISEW, East China Sea 11565

New records: ISEW, East China Sea 11565

Taxonomy: ISEW, East China Sea 11565

***Siren lacertina*,**

Oxygen consumption 13114

Respiration 13114

***Sirenia*,**

Aerial surveys: Australia, Inland waters 8610

Conservation: Australia, Inland waters 8610

Marine ecology 13065

Research programmes 13065

Resource development 2057

Stock assessment 13065

Stock assessment: Australia, Inland waters 8610

***Sisyr vicaria*,**

New records: USA, California 4083

***Sisyrdivora*,**

Parasites: USA, California 4083

***Skeletonema*,**

Taxonomy 9125

Taxonomy: ANE, Finland Gulf 10315

***Skeletonema costatum*,**

Chemical composition 10818

Copper 11527

Cultures 5409

Development 7108

Enzymes 4788

Freezing 12073

Growth rate 7423, 10818

Heavy metals 11527

Light effects: ANW, Hudson Bay 13174

Methodology 12073

Nitrates: ANW, Hudson Bay 13174

Nitrogen 7423

Nutrient deficiency 10852

Nutrients (mineral) 10852

Photosynthesis: ANW, Hudson Bay 13174

Phytoplankton Nitrates 1859

Respiration: ANW, Hudson Bay 13174

Tolerance 11527

Toxicity: ANE, Irish Sea 13436

Toxicity Oils 1948

Ultrastructure 7108

***Skeletonema subsalsum*,**

Morphology (organisms) 10310

Pressure effects 10310

Salinity effects 10310

Skeneidae,

Shells 8198

Ultrastructure 8198

Skeneopsidae,

Shells 8198

Ultrastructure 8198

Sladenia,

New species: ASW, Caribbean 7245

Solea lascaris,

Pollution effects 6717

Solea solea,

Aquaculture 10006

Environmental effects: ANE, North Sea 13812

Fishing effort: ANE, North Sea 13812

Growth rate: ANE, North Sea 13812

Hosts 2578

Length-weight relationships: ANE, North Sea 13812

Nutritional requirements Fish larvae 868

Rearing 12340

Rearing Fish larvae 868

Survival Fish larvae 868

Solea vulgaris,

Pollution effects: ASE, Egypt, Arab Rep., Alexandria, Abu Kir Bay 3271

Soleichthys siamnakuti,

New records: ISEW, Thailand Gulf 2786

New species: ISEW, Thailand Gulf 2786

Solenodinium fallax,

Morphology (organisms) 3021

Parasites 3021

Somatochlora cingulata,

New records: USA, Maine 1631

Somatochlora provocans,

Morphology (organisms) 2730

Spaherocystis schroeteri,

Growth 13361

Nutrients (mineral) 13361

Spaleromantis marina,

Anatomy 9124

New species 9124

Taxonomy 9124

Sparidae,

Spawning seasons: ASW, Cuba, Bank of Campeche 13360

Spartina,

Mathematical models: ASW, USA, Georgia 9744

Oil pollution 4359

Pollution effects 4359

Salt marshes: ASW, USA, Georgia 9744

Salt marshes: USA, North Carolina 9321

Spartina alterniflora,

Assimilation 11352

Biochemistry 10334

Biomass: ANW, USA, Connecticut, Long Island Sound 12117

Biomass: ASW, USA, Texas 4225

Carbohydrates 10334

Carbon 11352

Correlation analysis: ANW, USA, Connecticut, Long Island Sound 12117

Ecosystems 10334

Energy budgets: ANW, USA, Connecticut, Long Island Sound 12117

Erosion control: ANW, USA, North Carolina 4421, 9948

Habitat improvement: ANW, USA, North Carolina 4421

Heavy metals: ASW, USA 9866

Microorganisms 11352

Nutrients (mineral): ASW, USA, Louisiana, Barataria Bay 7582

Pollution effects: ASW, USA 9866

Primary production: USA, Georgia, Savannah R. 4236

Production (biological): ASW, USA, Louisiana, Barataria Bay 7582

Salt marshes 11352, 12142

Salt marshes: ANW, USA, North Carolina 9948

Salt marshes: USA, Georgia, Savannah R. 4236

Salt marshes Conservation of natural resources: ANW, USA, New York 2039

Salt marshes Resource management: ANW, USA, New York 2039

Salt marshes Tides: ANW, USA, New York 2039

Salt marshes Water level: ANW, USA, New York 2039

Seasonal variations: USA, Georgia, Savannah R. 4236

Tides: ANW, USA, Connecticut, Long Island Sound 12117

Spartina anglica,

Assimilation 4112

Introduced species: Tasmania, Tamar Estuary 6757

Photosynthesis 4112

Spartina cynosuroides,

Decomposition 7123

Sparus,

Hosts: ISW, Arabian Sea 7155

Sparus auratus,

Anaesthesia 3988

Artificial fecundation 1535

Artificial feeding 12355

Biology: ASE, Spain, Alfaques Bay 12939

Biology: ASE, Spain, Cadiz 12940

Diseases: ASE, Spain, Cadiz 12940

Feeds 12355

Fish culture: ISW, Israel, Eilat 13615

Growth: ASE, France 5240

Growth: ASE, France, Thau 5241

Growth: ASE, Spain, Alfaques Bay 12939

Growth Food composition 877

Growth Fry 874, 876

Growth Light effects 876, 877

Growth Photosynthetic pigments 877

Growth rate: ASE, France 5240

Incubation Eggs 1535

Marine aquaculture: ISW, Israel, Eilat 13615

Marine ecology: ASE, Spain, Alfaques Bay 12939

Population parameters: ASE, Spain, Cadiz 12940

Rearing 877, 12340, 12355

Rearing Growth 874

Sexual reproduction: ASE, Spain, Alfaques Bay 12939
Size distribution: ASE, Spain, Cadiz 12942
Stomach contents: ASE, Spain, Alfaques Bay 12939

Sparus major,
Fish culture: Japan 13649

Speovelia mexicana,
New species Taxonomy: ISE, Mexico 1477

Spercularia media,
Development 7396
Environmental factors 7396

Spermatophyta,
Mortality: ASW, USA, Florida 12257
Oil spills: ASW, USA, Florida 12257

Sphaeriacea,
Geographical distribution: USA, North Dakota,
Sheyenne R. 11598

Sphaerichthys osphromenoides,
Aquariology 5617
Rearing 5617
Spawning 5617

Sphaeriidae,
Ecology: USSR 10427
Polymorphism: USSR 10427
Statistical analysis: USSR 10427
Taxonomy 4734

Sphaerium corneum,
Biodegradation 12199

Sphaerium solidum,
Life cycle: British Isles, Lincolnshire, Wiltam R. 2601

Sphaeriusidae,
Taxonomy 4734

Sphaerocystis schroeteri,
Grazing 11962
Growth rate 11962
Predation 11962
Primary production 11962

Sphaerodema molestum,
Biochemistry 5007
Metabolism 5007
Respiration 5007

Sphaeroidea,
Cytology 10388
Taxonomy 10388

Sphaerolaimus,
Keys 1368
New species: ASE, Balearic Sea 1368

Sphaeroma,
Biochemistry Genetics 1430, 1431
Polymorphism 1431
Taxonomy 1430

Sphaeroma hookeri,
Inc: ASE, France, Etang de l'Olivier 4674

Sphaeroma serratum,
Amino acids 4982
Hormones 9314

Life cycle: ASE, France, Thau 4978
Morphology (organisms) 6134
Moulting 4982, 9314

Sphaeroma terebrans,
Geographical distribution: ASW, USA, Florida 2912

Sphaeromatidae,
Reproductive organs Development 224

Sphaeroplea,
New records: New Zealand 4770
Taxonomy 4770

Sphaeroplea chapmanii,
Ultrastructure 4770

Sphaerotilus,
Bioaccumulation 8686
Food chains 8686
Microorganisms: Germany, Fed. Rep.,
Baden-Wuerttemberg, Mettma R. 579

Sphaerozoum neapolitanum,
Biochemistry 4866

Sphaerulina pedicellata,
Spartina alterniflora: Fungal diseases 3015

Spheniscus demersus,
Anatomy: PSW, South Africa Rep. 9458
Mathematical models 8619
Population dynamics 8619
Population parameters 8619
Population structure 8619

Sphenishiformes,
Life cycle: PSW, Antarctica 11827

Sphyraena,
Keys: PS, Antarctic Ocean 11772
Taxonomy: PS, Antarctic Ocean 11772

Sphyraenidae,
Ecology: ISW 4000
Keys: ISW 4000
Morphology (organisms): PSW, South Africa 2744
Taxonomy: ISW 4000

Spicara smaris,
Bioaccumulation 12248
Carbon 14 Proteins: ASE, Black Sea 1554
Carcinogens 12248
Ion accumulation Carbon 14: ASE, Black Sea 1554
Morphology: ASE, Black Sea 9514
Morphology: ASE, Mediterranean 9514
Oil pollution: ASE, Black Sea 12256
Pollution effects 6717
Population studies: ASE, Black Sea 9514
Population studies: ASE, Mediterranean 9514

Spiculata bijuri,
New species: ASW, Florida, Key West 11162

Spinachia spinachia,
Feeding behaviour 9616
Predation 9616

Spinax spinax,
Stomach contents: ASE 1747

Spinitectus,
New species: Pakistan 7151

***Spinitectus seenghalai*,**

New species: ISW, Pakistan 12805

***Spiochaetopterus costarum*,**

Biogeography: ASE, Mediterranean 5203

Reproduction: ASE, Mediterranean 5203

Vertical distribution: ASE, Mediterranean 5203

***Spirillum*,**

Enzymes 9112

Growth rate 9112

***Spirocamallanus*,**

New species: Pakistan 7151

***Spirocamallanus crossorhombi*,**

New species: ISW, Pakistan 12805

***Spirodela oligorhiza*,**

PCB 9901, 9902

Pollution effects 9901, 9902

Ultrastructure 9902

***Spirographis spallanzanii*,**

Enzymes 6060

Respiratory pigments 3921

***Spirorbidae*,**

Habitat 9517

Horizontal distribution 9517

Horizontal distribution: ANE, British Isles 9517

Horizontal distribution: PSW, South Africa, Cape

Town 9517

***Spirorbis spirorbis*,**

Aggregations 7364, 9804

Population density 7364, 9804

Shells Secretory products 178

***Spirochiidae*,**

Parasites 9195

Taxonomy 9195

***Spirostomum ambiguum*,**

Ultrastructure 8166

***Spirotropis carinata*,**

Terminology 2623

***Spirotropis sarsi*,**

Terminology 2623

***Spirula*,**

Fossils: New Zealand, Kaipara 13953

***Spirula spirula*,**

Predation: ISW 3160

***Spirulina*,**

Biochemistry 6000

Fats 6000

***Spirulina platensis*,**

Amino acids 9149, 12774

Biochemistry 9149

Chemical analysis 12774

Chemical structure 9149

Evolution 12774

Methodology 9149

Temperature effects Growth 1328

***Spisula sachalinensis*,**

Amino acids 3937

Enzymes 3937, 6106

***Spisula solida*,**

Population structure: ANE, British Isles,

Musselburgh 3028

***Spisula solidissima*,**

Aerobic respiration 11063

Behaviour 7413

Bioaccumulation 11063

Detritus feeders 7413

Dissolved oxygen 11642

Locomotion 11642

Muscular system 4932

Nervous systems 4932

Physiology 4932

Respiratory organs 7413

Silver 11063

Temperature effects 11642

***Spondyliosoma cantharus*,**

Abnormalities 11753, 12950

Feeding behaviour: ANE, British Isles, Devon 11981

Morphology 11753

Morphology (organisms) 12950

Skeleton 11753, 12950

Stomach contents: ANE, British Isles, Devon 11981

***Spongia*,**

Aggregations 9234

Cells 9234

Medical products 7959, 7960

***Spongiae*,**

Symbionts: ANE, British Isles, Hampshire, North

Hayling 9816

***Spongilla lacustris*,**

Development Life cycle 173

Dispersion 7165

Reproduction 7165

Sex reversal 7165

***Sporobolomyces*,**

Salt lakes: France, Lorraine, Inland waters 8086

Water analysis (biological): France, Lorraine, Inland waters 8086

***Sporocytophaga cauliformis*,**

Eutrophication 1277

Microbiology Water analysis (biological) 1276, 1277

Water analysis (biological) 1276, 1277

***Sporozoa*,**

New species: ASE, France, Villefranche-sur-Mer 5289

Parasites: ASE, France, Villefranche-sur-Mer 5289

***Sprattus sprattus*,**

Echo surveys: ANE, Norway 12402

Eyes: ANE, North Sea 7460

Fjords: ANE, Norway 12402

Models: ANE, Norway 12402

Morphology 7263

Parasitic diseases: ANE, North Sea 7460

Sexual maturity: ASE, Spain, Galicia 12984

Sexual reproduction: ASE, Spain, Galicia 12984

Spawning: ASE, Spain, Galicia 12984

Stock assessment: ANE, Norway 12402

***Squalius cephalus*,**

Age composition: British Isles, Dorset, Stour R. 7426

Ageing methods: British Isles, Dorset, Stour R. 7426
Feeding behaviour: British Isles, Dorset, Stour R. 7426
Growth rate: British Isles, Dorset, Stour R. 7426
Spawning: British Isles, Dorset, Stour R. 7426

***Squalonchotyle berlandi*,**

New species: AN, Greenland 7147

***Squalus acanthias*,**

Blood 11801
Blood circulation 10610
Brain 7258
Drugs 4022, 5064
Enzymes 6315
Excretion 5098, 11800, 11801
Excretory organs 11800
Fisheries resources: ANE, North Sea 8848
Fishery surveys: ANE, North Sea 8848
Glands 6315
Histochemistry 4022
Ion transport 6315
Liver 11801
Locomotion 9411
Nerves 5064
Nervous system 9411
Nervous systems 4022
Respiratory organs 10610
Spleen 5064
Stomach contents: ASE 1747

***Squalus fernandinus*,**

Stomach contents: ASE 1747

***Squalus suckleyi*,**

Processing fishery products 7823

***Squilla bengalensis*,**

Terminology: ISW, India, Bengal 11667

***Squilla mantis*,**

Ageing methods 13330
Evolution 12029
Life cycle 12029
Mathematical models 13330
Ovaries 8279
Population dynamics 13330
Population structure 12029
Sexual maturity 8279
Size distribution 13330
Statistical analysis 13330

***Squilla nepa*,**

Artificial rearing 2700
Shellfish culture: ISEW, Indonesia 2700

***Staphylococcus aureus*,**

Crabs 8882
Microbial contamination 6890

***Stauracantha orthostaura*,**

Morphology (organisms) 2561

***Staurostrum*,**

Morphology (organisms): Romania 2506

***Stauroneis phoenicenteron*,**

Taxonomy: ANW, Baffin I. 8095

***Stauronereis caecus*,**

Morphology (organisms): ANE, North Sea 8492
New record: ANE, North Sea 8492

***Steinella uncinata*,**

Uteriporus vulgaris: Parasites Digestive system 3016

***Stela plicata*,**

Chromosomes 10391
Inhibitors 10391
Meiosis 10391
Sperm 10391

***Stelleroidea*,**

Immunology 6070
Larvae 6070

***Stellicola novaecaledoniae*,**

New species: ISEW, New Caledonia 11669

***Stellicola parvulipes*,**

New species: ISEW, New Caledonia 11669

***Stenasellinae*,**

Taxonomy: Bulgaria 206

***Stenella*,**

Population dynamics: ISE 13840
Research programmes: ISE 13840

***Stenella attenuata*,**

Geographical distribution: INW, Japan 9546
Growth: INW, Japan 9456
Life cycle: INW, Japan 9456
Migrations: INW, Japan 9546
Reproduction: INW, Japan 9456
Schooling behaviour: INW, Japan 9456

***Stenella attenuata*,**

Mortality: ISE 13840
Stock assessment: ISE 13840

***Stenella coeruleoalba*,**

Brain 9470
Development 9470
Geographical distribution: INW, Japan 9546
Migrations: INW, Japan 9546
Morphology (organisms) 9470
Population parameters: INW, Japan 13838
Potential yield: INW, Japan 13838
Stock assessment: INW, Japan 13838
Whaling: INW, Japan 13838

***Stenella graffmani*,**

Anatomy 13080
Brain 13080

***Stenella longirostris*,**

Mortality: ISE 13840
Stock assessment: ISE 13840
Thermoregulation 13104

***Steno bredanensis*,**

Helminthes: Parasites New records: ASW, Mexico
Gulf 1798

***Stenonema tripunctatum*,**

Life cycle: USA, West Virginia 8315

***Stenonema vicarium*,**

Life cycle: USA, West Virginia 8315

***Stenopus zanzibaricus*,**

New species: ISW, Tanzania 12894

Taxonomy: ISW, Tanzania 12894

***Stentor*,**

Biosynthesis 4865

DNA 4865

***Stentor coeruleus*,**

Chemical analysis 9209

Cytology 6053

DNA 9209

Electron microscopy 7133

Energy budgets 7604

Feeding 7604, 10856

Filter feeders 10856

Food composition 10856

Growth 7604

Morphology (organisms) 7133

Regeneration 6053, 7133

Respiration Temperature effects 1384

***Stentor tartari*,**

Seasonal variations Algal blooms 478

***Stephanolepis hispidus*,**

New records: ASW, Brazil 9338

***Stephanopogon mobilensis*,**

New species: ASW, USA, Alabama, Mobile Bay 161

***Stephanosphaera pluvialis*,**

Geographical distribution: ANE, Denmark, Bornholm I. 12735

Habitat: ANE, Denmark, Bornholm I. 12735

New records: ANE, Denmark, Bornholm I. 12735

***Stephanostomum davisii*,**

New species: AN, Greenland 7147

***Sterechinus*,**

Freezing: PS, Antarctica 9576

***Stereochilus marginatus*,**

New records: USA, Florida 2914

***Sterna*,**

Migrations Tagging: ASE, Ivory Coast 349

***Sternarchus albifrons*,**

Electric organs 10616

Nerves 10616

***Sternoptychidae*,**

Check lists: INW 5013

Check lists: ISEW 5013

***Sternotherus*,**

Ecology: USA, Florida 10880

Population parameters: USA, Florida 10880

Population structure: USA, Florida 10880

***Stet sprattus*,**

Fishery management: ANE, North Sea 1032

Fishery statistics: ANE, North Sea 1032

Mathematical models Yield: ANE, North Sea 1032

***Stichococcus bacillaris*,**

Anaesthesia 11535

Cultures 11535

Growth 11535

Light effects 11535

***Stichopus badionotus*,**

Anaesthesia 12833

Biochemistry 12833

Degradation 12833

Morphology (organisms): ASE, Guinea Gulf 2605

***Stigeoclonium farctum*,**

Light effects 10752

***Stigeoclonium stagnatile*,**

Cell division 5995

Chromatophores 5995

***Stigeoclonium tenue*,**

Bioaccumulation 11049

Lead 11049

***Stizostedion*,**

Age composition Growth rate: Canada, Yamaska R. 1716

Fish catch statistics: USA, Wisconsin, Mississippi R. 4511

Fishery surveys: USA, Wisconsin, Mississippi R. 4511

Sport fishing: USA, Wisconsin, Mississippi R. 4511

***Stizostedion canadense*,**

Acclimation 13173

New records: USA, Florida, Apalachicola R. 2915

Temperature effects 13173

Temperature effects Ichthyoplankton 1683

Temperature tolerance 13173

Thermal pollution Temperature effects 1683

***Stizostedion lucioperca*,**

Larvae Sampling (biological) 830

***Stizostedion vitreum*,**

Acclimation 13173

Age distribution: USA, New York, Oneida L. 10890

Lakes Stocking: USA, New York 2116

Life cycle: USA, Minnesota, Osakis L. 12989

Light effects 9583

Recruitment: USA, New York, Oneida L. 10890

Sampling (biological) Ichthyoplankton: USA, New York, Oneida L. 1008

Spawning: USA, Minnesota, Osakis L. 12989

Sport fishing: USA, Idaho, Salmon Falls Creek

Reservoir 13701

Stock assessment: USA, Wisconsin, Escanaba L.; 4508

Survival: USA, Minnesota, Osakis L. 12989

Temperature effects 13173

Temperature tolerance 13173

Vertical distribution 9583

***Stizostedion vitreum vitreum*,**

Thermal pollution Temperature effects 1683

***Stoichactis*,**

Mathematical models 8671

Symbiosis 8671

***Stoichactis helianthus*,**

Biochemistry 5538

Poisons (biological) 5538

***Stolephorus*,**

Commercial fishing: ISEW, Indonesia, Jakarta Bay 8562

Growth rate: ISEW, Indonesia, Jakarta Bay 8562

Size distribution: ISEW, Indonesia, Jakarta Bay 8562

- tolephorus purpureus*,**
 iometrics: ISE, Hawaii, Oahu, Kaneohe Bay 7497
 econdity: ISE, Hawaii, Oahu, Kaneohe Bay 7497
- tolothrissa tanganicae*,**
 rocessing fishery products Resource development:
 Burundi, Tanganyika L. 3517
- tomatolepas elegans*,**
 ew records: ANE, British Isles, Scotland, Crail 13146
 ew records: ANE, British Isles, Scotland,
 Kirkcudbrightshire 13146
 ew records: ANE, Norway, Skarvoey 13146
 ew records: ISEW, Malaya, Kuala Lumpur 13146
- tomatopoda*,**
 iological rhythms 12901
 heck lists Geographical distribution: ASW, Brazil,
 Fernando do Noronha Is. 1614
 ollections: ISE 2695
 od composition 10468
 eographical distribution: ISE 2695
 oulting 12901
 redation 10468
 eproduction 12901
- tomiatidae*,**
 eographical distribution: World Oceans 11741
 eys: World Oceans 11741
 axonomy Morphology (organisms) Meristic counts:
 World Oceans 11741
- tomolophus meleagris*,**
 ibisons (biological) 8798
 oxicity 8798
- tomotoca atra*,**
 ervous systems 1381, 1382
- tomphia coccinea*,**
 romotion 10419
 ervous system 10419
 pical behaviour 10419
- torthyngura magnifica*,**
 byssal zone: AN 10478
 ew species: AN 10478
- treptocephalus spinifer*,**
 eographical distribution 331
- tromateidae*,**
 axonomy Morphology: ASW, Cuba 2770
- tromateus brailoni*,**
 ew species: France, Ile de France, Auvers 4580
- tromateus cinereus*,**
 rozen products 13919
 uality control 13919
- trombus fasciatus*,**
 ew species: ISW, Aden Gulf 8202
- trombus gigas*,**
 rowth 10815
 arine aquaculture 10815
 ellfish culture: ASW 10815
- strongylocentrotus droebachiensis*,**
 abundance: ANW, Canada, Nova Scotia, St.Margaret's
 Bay 10849
 osystems 13387
- Feeding 13387
 Grazing: ANW, Canada, St.Margaret's Bay 13398
 Horizontal distribution: ANW, Canada, St.Margaret's
 Bay 13398
 Population control: ANW, Canada, Nova Scotia,
 St.Margaret's Bay 13406
- Strongylocentrotus purpuratus*,**
 Chemical extraction 2582
 Eggs 2582, 11577
 Electron microscopy Eggs 12817
 Enzymes 2582
 Fertilization 2582, 11577
 Proteins Fertilization 1386
 Sperm 11577
- Styela plicata*,**
 Chromosomes 10390
 Light effects 8444
 Metabolic rate 10681
 Oxygen consumption 10681
 Spawning 8444
 Spermatogenesis 10390
- Stylochoplana sargassicola*,**
 Abundance: INE, USA, California 9170
 Geographical distribution: INE, USA, California 9170
 Locomotion: INE, USA, California 9170
- Stylommatophora*,**
 Abundance: World Waters 11875
 Geographical distribution: World Waters 11875
- Stylonychia mytilus*,**
 Chromosomes 4855
 Cultures 4179
- Stylonychia pustulata*,**
 Cilia 6040
 Morphology (organisms) 6040
- Styloscolex*,**
 Taxonomy 11548
- Suberites domuncula*,**
 Cytology 6049
- Suberites massa*,**
 Cytology: ASE, France, Thau 4836
 Morphology (organisms): ASE, France, Thau 4836
 Oogenesis 7142
 Reproduction: ASE, France, Thau 4836
 Serological studies: ASE, France, Thau 4836
 Ultrastructure 7142
- Succinea wilsoni*,**
 Morphology (organisms) 4905
 Taxonomy 4905
- Sulfolobus acidocaldarius*,**
 Geographical distribution: New Zealand, North I.,
 Rotorua-Taupo 9098
 New records: New Zealand, North I.,
 Rotorua-Taupo 9098
 Thermal springs: New Zealand, North I.,
 Rotorua-Taupo 9098
- Suneurycope monicae*,**
 New species 1436

***Sycon vigilans*,**

Morphology (organisms) 4837

Regeneration 4837

***Symphodus melops*,**

Cytology 2761

***Symphurus plagusia*,**

Morphology: ASW, Cuba 7266

***Symplectoteuthis*,**

Evolution 4917

Morphology (organisms) 4917

Taxonomy 4917

***Symplectoteuthis oualaniensis*,**

Enzymes 6112, 6113, 6116, 6117

Life cycle 6085

Metabolism 6112

Morphology (organisms) 6085

Muscular system 6112, 6116

Muscular systems 6113, 6117

***Synalpheus*,**

Morphology (organisms) 2685

***Synalpheus bannerorum*,**

New species: ISE, Columbia, Malpelo Isl. 2659

***Synalpheus echinus*,**

New species 2685

***Synalpheus harpagatus*,**

New species 2685

***Synalpheus quadriarticulatus*,**

New species 2685

***Synalpheus tropidodactylus*,**

New species 2685

***Synaphobranchidae*,**

Taxonomy 7271

***Synaphobranchus*,**

Pressure effects 6300

***Synchelidium bulyschevae*,**

Taxonomy New species: INW, South Sakhalin 1453

***Synchelidium gurjanovae*,**

Taxonomy New species: INW, South Sakhalin 1453

***Syncoryne eximia*,**

Temperature tolerance: INE, USA, California 6784

***Syncrypta glomifera*,**

Morphology (organisms) 5970

New species 5970

Salt marshes 5970

***Syndinium globiforme*,**

Morphology (organisms) 3021

Parasites 3021

***Synechococcus cedrorum*,**

DNA 8608

Hosts 8607, 8608, 8609

Photosynthesis 8609

Viral diseases 12011

***Synechococcus elongatus*,**

Biosynthesis 10967

Light effects 10967

Photosynthesis 10967

***Synechocystis*,**

Symbiosis: ISE, California Gulf 11003

***Synechocystis aquatilis*,**

Bacterial diseases 8606

***Synechocystis didemni*,**

New species 10307

Taxonomy 12753

Ultrastructure 10316

***Synechogobius hasta*,**

Larvae Juveniles 1538

Spawning Embryology 1538

***Synerthrops truncata*,**

New species: I, Pacific 1446

***Syneurycope dageti*,**

New species 1436

***Syngastrioceras oblatum*,**

Fossils: USA, Arkansas 12519

***Syngnathidae*,**

Taxonomy: IS 9374

***Syngnathus darrosanus*,**

New species: ISW, Amirantes Is. 9374

***Syngnathus typhle*,**

Eyes 8354

***Synidotea brunnea*,**

New species: ASW, Brazil 8251

***Synidotea littoralis*,**

New species: ASW, Brazil 8251

***Synidotea marplatensis*,**

New records: ASW, Brazil 5139

***Synidotidae*,**

Taxonomy 4002

***Synodontis*,**

Feeding behaviour: Chad, Chad L. 1730

***Synodontis schall*,**

Anatomy 10641

Pituitary gland 10641

Reproduction 10641

Seasonal variations 10641

***Synophrya*,**

Geographical distribution: ANW, USA 8599

Parasites: ANW, USA 8599

***Synura petersenii*,**

Silicon Growth regulators 1715

***Tabanidae*,**

Population dynamics: USA, Mississippi R. 8615

***Tabanus autumnalis*,**

Hosts: USSR, Kazakhstan 6528

***Tachidius discipes*,**

Temperature effects 4101

***Tachisurus dussumeri*,**

Curing 4519

***Tachypleus gigas*,**

Muscular systems 6149

Ultrastructure 6149

***Tachypleus tridentatus*,**

Cells 11681

- Embryology 11681
Haematology 3918
Ontogeny 11681
- Tachysurus caelatus*,
Eggs 4015
Morphology (organisms) 4015
Spawning 4015
- Taius tumifrons*,
Recruitment Fisheries resources: ISEW, East China
Sea 2171
- Talismania grandisquamis*,
New species: ASE, Africa 9377
- Talitridae*,
Morphology (organisms) Taxonomy: INW, Japan 1448
- Talorchestia fritzi*,
Homing behaviour: ISE, Galapagos 6455
- Talorchestia longicornis*,
Grazing: USA, Massachusetts 10842
Population density: USA, Massachusetts 10842
Salt marshes: USA, Massachusetts 10842
- Talorchestia quoyana*,
Circadian rhythms 10730
Light effects 10730
Locomotion 10730
Models 10730
- Tamaria stria*,
New species: ISE, Columbia, Malpelo Is. 2567
- Tanaidae*,
New records: ASE, Turkey 6408
- Tanais stanfordi*,
New records: Galapagos, Genevesa Island, Arcturus
Lake 4988
Salinity tolerance: Galapagos, Genevesa Island, Arcturus
Lake 4988
Sexual reproduction: Galapagos, Genevesa Island,
Arcturus Lake 4988
- Tanystylum intermedium*,
New records: ISE, Chile 7358
- Tanytarsus aculeatus*,
Life cycle: Austria, Piburger See 10525
Morphology (organisms): Austria, Piburger See 10525
Seasonal variations: Austria, Piburger See 10525
- Taonius megalops*,
Development 11597
Growth 11597
Life cycle 11597
- Taonius pavo*,
Development 6094
Eyes 6094
- Tapes decussatus*,
Condition factor: ASE, Spain, Santander Bay 13232
Growth: ASE, Spain, Santander Bay 13232
- Tardigrada*,
Alimentary organs 10372
Taxonomy: ISW 1359
- Tarebia granifera*,
Morphology (organisms): Cuba 2909
New records: Cuba 2909
- Taricha granulosa*,
Evolution 13106
- Taricha torosa*,
Metabolism 8476
Respiration 8476
- Tautoga onitis*,
Acclimation 9568
Behaviour 9568
Temperature effects 9568
- Tautoglabrus adspersus*,
Homing behaviour 5208
Tagging 5208
- Tealia felina*,
Chemoreception 4863
- Tecticeps japonicus*,
Energy budgets: INW, Japan, Hokkaido 9767
Population dynamics: INW, Japan, Hokkaido 9767
- Telegamatrix*,
New species: ISEW, South China Sea 10367
Parasites: ISEW, South China Sea 10367
- Teleostei*,
Abundance: INE, USA, California 10539
Acidity: Sweden, Avaa L. 6758
Acids 11798
Alimentary organs 9334
Alimentary organs: India 6271
Amino acids: India, Kakinada 12723
Anatomy 8356, 10562
Arsenic: ANW, Canada 13473
Bioaccumulation: Germany, F.R., Inland waters 8756
Biogeography: ISW, Egypt, Arab Rep., Bardawil
Lagoon 11735
Biomass: INE, USA, California 10539
Blood 13296
Blood: I, Pacific 11825
Brain 2768, 6331, 8341, 8342, 9428, 10557
Brain Carbohydrates 1501
Brain Electron microscopy 1501
Cadmium 8374, 12207
Carbohydrates 13296
Carcinogens: ISEW, Hong Kong 11267
Catching methods: Hungary, Balaton L. 9336
Check lists: ASE, Mauritania 12938
Check lists: Hungary, Balaton L. 9336
Chemical analysis: ANW, Canada 13473
Chlorides 5073
Commercial species: ANE, Baltic 13263
Community composition: ISEW, Marshall Is., Eniwetok
Atoll 11733
Coral reefs: ISEW, Marshall Is., Eniwetok Atoll 11733
Cytology 6195, 9432
Digestion 9334
Diurnal rhythm 7315
Echo surveys: INE, USA, California 10539
Ecosystems: Sweden, Inland waters 12160
Eggs 5045, 11107

Energy flow 10563
 Environmental effects 11908
 Enzymes 9428
 Enzymes: India 6271
 Enzymes: World temperate regions 9423
 Enzymes: World tropical regions 9423
 Eyes 8407
 Eyes: ASW, Brazil 8358
 Fats 6331, 7315
 Feeding behaviour 9334, 12945
 Fisheries resources: Hungary, Balaton L. 9336
 Fisheries resources: INE, USA, California 10539
 Fisheries resources: ISEW, Marshall Is., Eniwetok Atoll 11733
 Food chains: Sweden, Inland waters 12160
 Food composition: ANE, Baltic 13263
 Food organisms: ANE, Baltic 13263
 Glands 8339, 10602
 Habitat: ISEW, Marshall Is., Eniwetok Atoll 11733
 Habitat: ISW, Egypt, Arab Rep., Bardawil Lagoon 11735
 Haematology 8374
 Haematology: I, Pacific 11825
 Haemoglobin 8387
 Histology 2768, 8339, 9428, 10562
 Hormones 7315, 13048
 Immunology 9432
 Iodine 10602
 Kidney 6195, 8339
 Larvae 10602
 Locomotion 8356
 Mercury: Germany, F.R., Inland waters 8756
 Metabolism 7315, 11908
 Microbial contamination: ASE, Italy, Bari 4309
 Morphology (organisms) 2781, 10581
 Mouth parts 12945
 Nervous systems 2793, 8341, 8342
 Nutrients (mineral): USA, Illinois 13638
 Nutritive value 7234
 Olfactory organs 8328, 9401
 Ontogeny 9401, 10581, 10602
 Oogenesis: World oceans 11774
 Osmoregulation 7072
 Otoliths 8913
 Oxygen consumption 11798
 Pancreas 10562
 Parasitic diseases 13296
 Pesticides: Germany, F.R., Inland waters 8756
 Physiology: World temperate regions 9423
 Physiology: World tropical regions 9423
 Pigments 5087, 6260
 Pineal organ 10545
 Pituitary gland 2793, 7315, 9432, 10546
 Plankton: Sweden, Inland waters 12160
 Pollution effects 11107, 11798, 12207
 Predation: Sweden, Inland waters 12160
 Processing fishery products: ISEW, Hong Kong 11267
 Public health: ISEW, Hong Kong 11267
 Quality control: ISEW, Hong Kong 11267
 Radioactive pollution 11107
 Respiratory organs 5073

Salt lakes: ISW, Egypt, Arab Rep., Bardawil Lagoon 11735
 Sense organs 8407
 Sewage: USA, Illinois 13638
 Sexual maturity 5051
 Skeleton 2781, 8356, 10581, 12945
 Spawning 5051
 Spawning: World oceans 11774
 Taxonomy Morphology (organisms): ISW, Aden Gulf 275
 Temperature effects 8387, 8407
 Thermal aquaculture 13644
 Tolerance: Sweden, Avaa L. 6758
 Toxicants 8374
 Ultrastructure 5045
 Vision: ASW, Brazil 8358

Tellina

Benthos: ASE, Spain, Vigo 13365
 Marine ecology: ASE, Spain, Vigo 13365

Tellina deltoidalis

Taxonomy 4883

Tellina tenuis

Bioassays 2454
 Pollution effects 2454
 Pollution effects: ANE, British Isles, Ayr. 3310
 Thermal pollution: ANE, British Isles, Ayr. 3310

Temnopleurus toreumaticus

Eggs Mitosis 1349

Temora longicornis

Fecundity 7399
 Feeding 11654
 Growth 11654
 Life cycle 11654
 Reproduction 11654

Temora stylifera

Chemical composition: ASE, Mediterranean 8284
 Size distribution: ASE, Athens Gulf 12020

Tenagobia schreiberi

New species: Brazil, Minas Gerais, Diamantina, Cristais 2729

Terebra gouldi

Feeding behaviour: ISE, Hawaii 6086
 Life cycle: ISE, Hawaii 6086

Terebra lilliana

New species: ISW, Mozambique Channel 11620

Terebra lingualis

Taxonomy: Panama, Canal Zone 2610

Terebra pedroana

Geographical distribution: INE, USA, California 13142

Terebra robustum

Taxonomy: Panama, Canal Zone 2610

Terebratalia transversa

Assimilation 10846
 Nutrition 10846

Teredicola typicus

Lyrodus pedicellatus: New records Hosts: PSE, New Zealand 1800

***Terranova decipiens*,**

- Diseases: AN, Greenland 13290
- Indicator organisms: AN, Greenland 13290

***Testudo*,**

- Blood circulation 10697
- Heart 10697

***Testudo graeca*,**

- Embryology 8434
- Pituitary gland 8434
- Respiration 10694

***Tetracladium setigerum*,**

- Diseases 10274
- Morphology (organisms) 10274

***Tetraclitia squamosa*,**

- Temperature effects: ISW, Aqaba Gulf 9569
- Water temperature: ISW, Aqaba Gulf 9569

***Tetraclitia stalactifera*,**

- Benthos: ISE, Panama, Paitilla 10941, 11001
- Communities: ISE, Panama, Paitilla 10941, 11001
- Succession: ISE, Panama, Paitilla 11001

***Tetraclitella hyastina*,**

- New species: ISEW, Philippines 1447

***Tetraedron*,**

- Cells Ultrastructure 131
- Taxonomy 129

***Tetragonocephalon lutanus*,**

- New species: ISEW, Arafura Sea 7202
- Parasites: ISEW, Arafura Sea 7202

***Tetrahymena*,**

- Cell division 6067
- Cilia 10777
- Cytology 6067
- Environmental effects 10777
- Locomotion 10777
- Mutations 4848

***Tetrahymena paravorax*,**

- RNA 4856
- Enzymes 4868
- Life cycle 4868

***Tetrahymena pyriformis*,**

- Abnormalities 4847, 8160, 10394
- Ageing methods 5235
- Amino acids 11584
- Antibiotics 6476
- Assays 11269
- Biosynthesis 11584
- Culture media 8160, 11584
- Cytology 5235
- Development 10394
- Digestion 8579
- Feeding 8579
- Feeding behaviour 7456
- Genetics 4847, 8174, 10394
- Growth 11584
- Growth regulators 6476, 8187
- Hormones 8187
- Inhibitors 6476, 8187
- Ion transport 12832
- Laboratory equipment 10266

- Magnetism 10266
- Methodology 11269
- Microorganisms 11269
- Morphology (organisms) 7456, 8162
- Nutritional requirements 8187
- Radioactive tracers 8187
- Radioisotopes 7456
- Starvation 8579
- Strains 8162
- Sugar 12832
- Ultrastructure 7456, 8160

***Tetramyxa marina*,**

- Life cycle 5411
- Parasites: ISW, Red Sea 5411

***Tetraodon*,**

- Taxonomy 2757

***Tetraodon fluviatilis*,**

- New species 2757

***Tetraodon steindachneri*,**

- Terminology 2757

***Tetraodontidae*,**

- Check lists: ISEW, Taiwan 11751
- Ecology: ISEW, Taiwan 11751
- Morphology (organisms): ISEW, Taiwan 11751
- Red tides Poisons (biological) 756
- Terminology: ISEW, Taiwan 11751

***Tetraonchus momenteron*,**

- Parasites 5288

***Tetrapoda*,**

- Brain 10557
- Check lists: USA, Texas 10668
- Correlation analysis: USA, Texas 10668
- Environmental factors: USA, Texas 10668
- Topography: USA, Texas 10668

***Tetraselmis*,**

- Cultures 13736

***Tetraselmis suecica*,**

- Cultures Controlled conditions 7838
- Feeds Larvae 927
- Growth Controlled conditions 1720
- Pilot-scale culture 927

***Tetraselmis tetrathele*,**

- Cultures 10021

***Thais*,**

- Behaviour 13185
- Ecology 13408
- Intertidal environment 13185
- Temperature tolerance 13185
- Vertical distribution 13185

***Thais chocolata*,**

- Growth: ISE, Chile, Mejillones del Sur Bay 1816

***Thais emarginata*,**

- Embryos 12853
- Reproduction 12853

***Thais haemastoma*,**

- Salinity effects: ASW, USA, Louisiana 10746
- Tides: ASW, USA, Louisiana 10746

- Thais lapillus*,
Histology 3362
Ultrastructure 3362
- Thalamita holthuisi*,
New species: ISEW 2699
- Thalamita koepangensis*,
New species: ISEW 2699
- Thalamita platypenis*,
New species: ISEW 2699
- Thalassema liliae*,
New species: ASW, Brazil, Ilha Grande 4811
- Thalassia*,
Ecology Community composition: ASW, Cuba 1294
- Thalassia testudineum*,
Nutrient cycles: ASW, USA, Florida 9764
Primary production: ASW, USA, Florida 9764
- Thalassia testudinum*,
Aerial photography: ANW, USA 11459
Boats: ASW, USA, Florida 12280
Environmental effects: ASW, USA, Florida 12280
Food chains: ASW, Jamaica, Kingston Harbour 11970
Food organisms: ANW, USA 11459
Gases Biosynthesis: ASW, USA, Florida, Ceasar Creek 1225
Grading: ASW, Jamaica, Kingston Harbour 11970
Habitat: ANW, USA 11459
Morphology (organisms): ASW, USA, Texas 3844
Ocean floor: ANW, USA 11459
Production (biological): ASW, Jamaica, Kingston Harbour 11970
Salinity effects 7398
Seasonal variations 7398
Sediment analysis: ASW, USA, Florida 12280
Temperature effects 7398
- Thalassiosira*,
Algal blooms: ANW, Bedford Basin 5260
Cultures 7091
Electron microscopy 7091
Electron microscopy: ANW, USA, South Carolina 7084
Morphology (organisms) 7091
New species 7091
Nutritional requirements 5260
Phytoplankton: ANW, Bedford Basin 5260
Sediment structure: ANW, USA, South Carolina 7084
Suspended matter: ANW, USA, South Carolina 7084
- Thalassiosira fluviatilis*,
Nutrients (mineral) 5259
- Thalassiosira minuscula*,
Taxonomy 11476
Ultrastructure 11476
- Thalassiosira pseudonana*,
Cultures: INE 10919
Growth regulators: INE 10919
Phosphates: INE 10919
- Thalassoma bifasciatum*,
Mathematical models 11792
Protective behaviour: ASW, Bahama Is., Bimini 10990
- Sexual dimorphism 11792
Sexual maturity 11792
Symbionts: ASW, Bahama Is., Bimini 10990
- Thalassomyia frauenfeldi*,
Chromosomes: ASE, Bulgaria 11715
Meiosis: ASE, Bulgaria 11715
- Thalassotrechus barbarae*,
Circadian rhythm 9563
Locomotion 9563
- Thalestridae*,
Benthos: ASE, Mediterranean 4964
- Thalia democratica*,
Blood circulation Heart 314
Excretion 11834
Excretory organs 11834
- Thaliacea*,
Check lists: ASE, Mediterranean 11546
Community composition Geographical distribution: ASE, Mediterranean 1656
Community composition Geographical distribution: ISW, Red Sea 1656
Geographical distribution: ASE, Mediterranean 11546
Saline water: ASE, Mediterranean 11546
Seasonal variations: ASW, Bermuda 9523
- Tharyx lutcicstellus*,
New species: INE 3907
- Thaumastoplax intermedius*,
New species: Trinidad 8262
- Thecacera pennigera*,
Anatomy: PSE, New Zealand 11618
Fouling organisms: PSE, New Zealand 11618
Geographical distribution 11618
- Thecamoebidae*,
New species: ANW, USA, Virginia 164
- Thecomyia limbata*,
Larvae Biology: Brazil 242
Taxonomy Biology: Brazil 242
- Thelopus setosus*,
Chemical composition 1389
- Thelohania contejeani*,
New records: New Zealand, Leith Stream 9662
Parasites: New Zealand, Leith Stream 9662
- Themiste dyscritum*,
Biochemistry 6075
Proteins 6075
- Thenca muricata*,
Biocoenoses 6853
- Thenus orientalis*,
Shellfish fisheries Shellfish catch statistics: ISW, Bay of Bengal 2167
- Theodorina madseni*,
New species: ISE, Peru-Chile Trench 12808
- Theragra chalcogramma*,
Catchability Fishing effort: IN, Bering Sea 3465
Chemical composition 7872
Eggs 7872
Fish protein concentrate 11258

Fisheries: IN 7864
 Fishing mortality: INW, Japan Sea 7863
 Food organisms: INW, Kuril Is. 9629
 Geographical distribution: IN 7864
 Marine fisheries: INW, Japan Sea 7863
 Nutritive value 11258
 Population dynamics: INE, Bering Sea 1824
 Population genetics: INW, Japan 3052
 Processing fishery products Fish catch statistics: I, Pacific 3490
 Processing fishery products Fish catch statistics: Japan 3490
 Speciation: INW, Japan 3052
 Stock assessment: INW, Japan Sea 7863
 Subpopulation: IN 7864
 Subpopulation: INW, Japan 3052
 Amino acids: INW, Primor'e 7868
 Proteins: INW, Primor'e 7868
Thermus,
 Thermal springs: USSR, Tadzhikistan 2948
Thielavia pseudomaritima,
 Morphology (organisms) 4748
 New species: USA, Wyoming 4748
 Salt lakes: USA, Wyoming 4748
Thiobacillus,
 Water analysis (chemical): ANE, Kiel Fjord 2480
Thiodasys sterreri,
 Anaerobic respiration 8222
Thiomicrospira denitrificans,
 Anaerobic respiration 8081
 New species 8081
Thlaspi arvense,
 Ultrastructure Viral diseases 1295
Thorogobius ephippiatus,
 Biology: ANE, Eire, Co.Galway 7237
 Growth: ANE, Eire, Co.Galway 7237
 Meristic counts: ANE, Eire, Co.Galway 7237
 Reproduction: ANE, Eire, Co.Galway 7237
Thrissocleus,
 Fats 4028
Thunnidae,
 Artificial spawning: Japan 879
 Catch statistics: Australia 974
 Catchability Nyctimeral rhythms: INW 3387
 Electrophoresis: ISEW, Taiwan 10612
 Experimental fishing Gear research 834
 Geographical distribution: ISEW, South China Sea 10707
 Heart 13047
 Ichthyoplankton: ISEW, South China Sea 10707
 Ichthyoplankton: ISEW, Taiwan 10707
 International organizations Fisheries: INE 2049
 International organizations Fisheries: ISE 2049
 Line fishing gear Baits 834
 Muscular system: ISEW, Taiwan 10612
 Physiology 13047
 Population parameters: INE 2049
 Population parameters: ISE 2049
 Proteins: ISEW, Taiwan 10612

Rearing Fry 879
 Respiration 13047
 Spawning grounds: ISEW, Taiwan 10707
 Stock assessment Research programmes 879
 Temperature effects 13047
Thunnus,
 Coastal fisheries: ASW, Brazil 12412
 Data acquisition: ASE 13803
 Evolution 12047
 Fisheries data: ASE 13803
 Fisheries resources: ASE, Africa 7867
 Fishing mortality 3371
 Geographical distribution: ASW, Brazil 12412
 Geographical distribution Resource development: ISW 810
 Length-weight relationships: ANE 12024
 Length-weight relationships: ASE 12024
 Photography 13804
 Recruitment 3371
 Sampling (biological) 13804
 Size distribution: ASE, Africa, northwest coast 12022
 Speciation 12047
 Taxonomy 12047
Thunnus alalunga,
 Age composition: A, Atlantic 12441
 Canned products 13905
 Catch effort: A, Atlantic 12422
 Catch effort: ASE, Spain 13787
 Catch effort: INE, Canada 13813
 Catch effort: INE, USA 13813
 Catch effort: ISE, Mexico 13813
 Catch statistics: ASE, Spain 3450, 3451
 Exploratory fishing: PSE, New Zealand 11213
 Fish catch statistics: A, Atlantic 13791, 13793
 Fish catch statistics: AN 13790
 Fish catch statistics: ANE 13795
 Fish catch statistics: ASE, France 13788
 Fish catch statistics: INE, Canada 13813
 Fish catch statistics: INE, USA 13813
 Fish catch statistics: ISE, Mexico 13813
 Fisheries data: A, Atlantic 12442
 Fisheries statistics: A, Atlantic 3453
 Fisheries statistics: ASE, Spain 13787
 Fishery management: AN 3473
 Fishing effort: A, Atlantic 12422, 12441, 13793
 Fishing effort: ASE, France 13789
 Fishing effort: ASE, Spain 13789
 Fishing grounds 3471
 Fishing mortality: ANE 13795
 Freezing 13905
 Geographical distribution: A, Atlantic 13861
 Growth: ANE 13216
 Growth: ASE 13317
 Line fishing: A, Atlantic 12422
 Line fishing: ASE, France 13788
 Marking: A, Atlantic 13794
 Potential yield: A, Atlantic 12442
 Quality control Canned products 2209
 Recruitment: A, Atlantic 12441
 Size distribution: A, Atlantic 13791, 13793, 13861
 Size distribution: ANE 3452

Size distribution: ASE 13317
 Size distribution: ASE, Spain 13787
 Stock assessment 3471
 Stock assessment: A, Atlantic 12441, 12442
 Stock assessment: AN 3472, 3473
 Stock identification 12396
 Storage effects 13905
 Tagging: A, Atlantic 13794
 Thermoregulation: PSE, New Zealand 11213
 Total mortality: A, Atlantic 12441
 Yield: A, Atlantic 3453
 Yield: AN 3472
 Yield: ANE 3452
 Yield predictions: A, Atlantic 13861
Caballerocotyla klawei: Host-parasite systems 12396

***Thunnus albacares*,**

Age composition: A, Atlantic 12021
 Catch effort: A, Atlantic 12419
 Enzymes 10618
 Exploratory fishing: PSE 4473
 Fecundity: ASE, Guinea Gulf 12026
 Feeding behaviour: ISEW 9780
 Fish catch statistics: A, Atlantic 12021, 12419
 Fish catch statistics Catch effort: ASE, Senegal 2161
 Fish larvae: ASE 12027
 Fisheries: A, Atlantic 3469
 Fisheries: ASW, Venezuela 3370
 Fishery management: A, Atlantic 3470
 Fishery surveys: PSE 4473
 Geographical distribution: ISEW 12437
 Line fishing: A, Atlantic 12439
 Marine fisheries: ISEW, Indonesia 799
 Muscular system 10618
 Oceanodromous migrations: ASW, Brazil 11894
 Population structure: ISEW 9780
 Production (biological): ASW, Brazil 11894
 Proteins 10618
 Quota regulations: A, Atlantic 3470
 Recruitment: ASE, Congo, People's Rep.,
 Pointe-Noire 3030
 Sex ratios: A, Atlantic 12417
 Sex ratios: ASE, Guinea Gulf 12026
 Sexual maturity: ASE, Guinea Gulf 12026
 Size distribution: A, Atlantic 3469, 12021, 12417, 12419
 Size distribution Fish catch statistics: ASE,
 Senegal 2160
 Spawning grounds Spawning seasons: ASE 12027
 Stock assessment: A, Atlantic 12438
 Stomach contents: ISW 3160
 Temperature effects: ISEW 12437

***Thunnus atlanticus*,**

Stock assessment: ASW, Cuba 13862

***Thunnus maccoyii*,**

Fisheries data: ISW, Australia, Western Australia 4443

***Thunnus obesus*,**

Catch effort: A, Atlantic 3449
 Feeding behaviour: ISEW 9780
 Fisheries: A, Atlantic 3449
 Population structure: ISEW 9780

***Thunnus thynnus*,**

Age composition: ANW, Canada 13845
 Age composition: ASE, Biscay Bay 3454
 Ageing methods: A, Atlantic 13217
 Biochemistry 10622, 13027
 Fecundity: A, Atlantic 13763
 Fish catch statistics: ANW 4493
 Fish catch statistics: ANW, Canada 13845
 Fish catch statistics: ASE 13799
 Fish catch statistics: ASE, Biscay Bay 13796
 Fish catch statistics: ASE, Canary Is. 3797
 Fish catch statistics: ASW 4493
 Fisheries: ASE 3447
 Fisheries statistics: ASE, Biscay Bay 3454
 Fishery management: A, Atlantic 3474
 Fishery management: ANW 4493
 Fishery management: ASW 4493
 Geographical distribution: INW, Kuroshio
 Current 10707
 Haemoglobin 13027
 Ichthyoplankton: A, Atlantic 13762
 Methodology: ASE, Mediterranean 12976
 Migrations: A, Atlantic 13160
 Migrations: ASE, Biscay Bay 13318
 Migrations Horizontal distribution 345
 Morphology: AS 13764
 Mortality: A, Atlantic 3031
 Muscular systems 10622
 Population dynamics: A, Atlantic 3032
 Population dynamics: ANE, North Sea 6491
 Population parameters: ANW 13319
 Proteins 13006
 Recruitment: A, Atlantic 3455
 Reproduction: ASE, Mediterranean 12976
 Respiratory pigments 13006
 Sex ratios: ASE, Biscay Bay 13318
 Sexual maturity: A, Atlantic 13763
 Size distribution: ANW, Canada 13845
 Size distribution: ASE, Biscay Bay 13318
 Spawning grounds: A, Atlantic 13762
 Spawning migrations: ASE 2931
 Stock assessment: A, Atlantic 3474
 Stock assessment: ANW, Canada 13845
 Stock assessment: ASE, Mediterranean 12976
 Stock identification: AS 13764
 Tagging: A, Atlantic 13160
 Tagging: ASE, Morocco 2931
 Ultrastructure 10622

***Thunnus zacalles*,**

Freezing storage 13898
 Quality control 13898
 Storage effects 13898

***Thyca callista*,**

Morphology (organisms) 2925

***Thymallus arcticus*,**

Metabolic rate 6453
 Muscular system 6329
 Respiratory quotient 6453
 Thermoregulation 6329

- Thymallus thymallus*,**
 Ageing methods: British Isles, Wales 7424
 Geographical distribution: Czechoslovakia, Svratka R. 9614
 Growth rate: British Isles, Wales 7424
 Growth rate: Czechoslovakia, Svratka R. 9614
 Length-weight relationships: British Isles, Wales 7424
 Length-weight relationships: Czechoslovakia, Svratka R. 9614
***Thynnus orientalis*,**
 Mercury 11088
 Pollution effects 11088
 Selenium 11088
***Thyone pawsoni*,**
 New species: ASW 4810
***Thyrstitis atun*,**
 Condition factor: PSW, South Africa 4506
 Fishery management: PSW, South Africa 4506
***Thysanopoda*,**
 Feeding behaviour: INW 5243, 5243
***Tigriopus*,**
 Chemoreception 2959
 Social behaviour 2959
***Tigriopus californicus*,**
 Carbon 12074
 Methodology 12074
***Tilapia*,**
 Biological control 13517
 Biology Introduced species: Mexico 913
 Blood Electrophoresis 292
 Closed circulation systems 6830
 Coring: Ghana, Volta L. 3526
 Cultures 13736
 Cured products: Ghana, Volta L. 11264
 Enzymes 10617
 Fish culture: Israel, Ginnosar 7819
 Fish culture Hybrids: Africa 882
 Fishery products: Ghana, Volta L. 11264
 Muscular system 10617
 New species: Zambia, Luongo River 5017
 Organoleptic properties: Ghana, Volta L. 11264
 Plant control 13517
 Pricing: Ghana, Volta L. 11264
 Proteins 10617
 Quality control: Ghana, Volta L. 11264
 Scale reading Aging methods: Malagasy Rep., Itasy L., Mantasoa L. 373
 Taxonomy Biology: Mexico 913
***Tilapia aurea*,**
 Artificial feeding: El Salvador 9998
 Feeds: El Salvador 9998
 Fish culture 13647
 Hybridization Genetics 278
 Nutritional requirements: El Salvador 9998
 Stocking density 13647
***Tilapia grahami*,**
 Absorption 6352
 Alimentary organs 6352
 Haemoglobin 4030

- Physiology 6352
 Serological studies 4030
 Ultrastructure 6352
***Tilapia hybrida*,**
 Fish culture: Tropical America 11182
 Freshwater aquaculture: Tropical America 11182
***Tilapia melanotheron*,**
 Fish culture: Africa 6826
 Fishery biology 6826
 Resource development: Africa 6826
***Tilapia mossambica*,**
 Acclimation 8394
 Agropisciculture: Philippines 13632
 Artificial fecundation 7281
 Behaviour 13559
 Chromatographic techniques: India 4026
 Circulatory systems 2769
 Electric fishing 13559
 Energy budgets 11975
 Fats: India 4026
 Fish culture 13631
 Fish culture: Fiji, Viti Levu, Ravi Ravi 3409
 Fish culture: Philippines 13717
 Food conversion 11972, 11975
 Habitat 10787
 Hormones 9391
 Introduced species: Papua New Guinea 8490
 Ion transport 5086
 Locomotion 10651
 Morphology (organisms) 2769
 Mortality causes 8394
 Mouth parts 5028
 Nutritional requirements 11972
 Osmoregulation 5086
 Reproductive organs 9391
 Respiration 8394
 Respiratory organs 5086
 Scales 10548
 Schooling behaviour 11946
 Sex reversal 9391, 13631
 Sexual reproduction 7281
 Size distribution 11975
 Sound production (biological) 5028
 Stress 10787
 Temperature effects 10651
 Temperature tolerance 8394
 Ultrastructure 10548
***Tilapia nilotica*,**
 Artificial feeding: Ivory Coast, Bouake 10015
 Electric fishing: Ivory Coast, Bouake 10012
 Feeds: Ivory Coast 10014
 Feeds: Ivory Coast, Bouake 10015
 Fish culture: Ivory Coast 10014
 Fish culture: Ivory Coast, Bouake 10012
 Fish culture: Tropical America 11182
 Freshwater aquaculture: Tropical America 11182
 Hybridization Genetics 278
 Muscular system 7234
 Radioactive pollution 6692
 Reproduction Sexual maturity: Egypt, Arab Rep., Nile

R. 2804
 Reproduction rate Reproduction: Egypt, Arab Rep., Nile
 R. 2805
 Reproductive organs Morphology (organisms) 2804
 Reproductive organs Reproduction rate: Egypt, Arab
 Rep., Nile R. 2805
 Stocking density: Ivory Coast 10014

***Tilapia rendalli*,**

Digestion 13268
 Environmental effects: Africa, Zambezi R. 13172
 Environmental effects: South Africa, Natal, Pongolo
 R. 13172
 Geographical distribution: Africa, Zambezi R. 13172
 Geographical distribution: South Africa, Natal, Pongolo
 R. 13172
 Herbivores 13268
 Nutrition 13268

***Tillina magna*,**

DNA 2580

***Timiriasevia digitalis*,**

New species Palaeontology: India 2244

***Tinca tinca*,**

Hormones 5057
 Physiology 9421
 Seasonal variations 9421
 Spawning 5057
 Temperature effects 5057, 9421

***Tintinnida*,**

Check lists: PN, Arctic 9196
 Chemical composition: USA, Massachusetts, Inland
 waters 12790
 Community composition: PNW, Kara Sea 9196
 Ecology: PNW, White Sea 11163
 Geographical distribution: AN 12060
 Geographical distribution: ANW, USA, New York
 Bight 5293
 Geographical distribution Ecology: Egypt, Arab Rep.,
 Suez Canal 1658
 Geographical distribution Seasonal variations: ANE
 1853
 Morphology 8164
 Morphology (organisms): ASW, Mexico Gulf 8516
 Morphology (organisms): USA, Massachusetts, Inland
 waters 12790
 Plankton collecting devices: AN 12060
 Protective behaviour 8164
 Seasonal variations: AN 12060
 Seasonal variations: ANW, USA, New York Bight 5293
 Sediment structure 8164
 Taxonomy 8164
 Taxonomy: ASW, Mexico Gulf 8516
 Taxonomy: PN, Arctic 9196

***Tintinnidae*,**

Predators: ASW, USA, Florida 6004

***Tipula*,**

Larvae: British Isles, England, Reading 10859

***Tipula sacra*,**

Life cycle: Canada, Alberta, Kananaskis Valley 8316
 Ponds: Canada, Alberta, Kananaskis Valley 8316

***Tisbe*,**

Abundance: ASE, Venice Lagoon 11656
 Autecology: ASE, Venice Lagoon 11656
 Community composition: ASE, Venice Lagoon 11656
 Electrophoresis 9303
 Geographical distribution: ASE, Venice Lagoon 11656
 Polymorphism 9303

***Tisbe clodiensis*,**

Competition 9676
 Population genetics 9676

***Tisbe dilatata*,**

Pollution effects 4372

***Tisbe holothuriae*,**

Fishing mortality 12034
 Length-weight relationships 13213
 Nutritive value 13213
 Population dynamics 3038, 5299, 12034
 Temperature effects 13213

***Tivela stultorum*,**

Shells: ASE, Adriatic 6473

***Todarodes pacificus*,**

Invertebrate larvae: INW, Okhotsk Sea 7363
 Pigments 8221
 Spawning grounds: INW, Okhotsk Sea 7363

***Todaropsis eblanae*,**

Canned products: Spain 10064

***Tokophrya lemnae*,**

Genetics 9210
 Polymorphism 9210
 Reproduction 9210
 Survival 9210

***Tokophrya*,**

Feeding mechanisms 6045
 Tentacles 6045

***Toledonia*,**

Anatomy 10443
 Taxonomy 10443

***Tomopagurus maccloughlinae*,**

New species: ISE, Galapagos 7203

***Tonicella lineata*,**

Diurnal rhythms: INE, USA, California, Carmel
 Point 8238
 Habitat: INE, USA, California, Carmel Point 8238
 Inhibitors: INE, USA, California, Pacific Grove 8685
 Predation: INE, USA, California, Pacific Grove 8685
 Respiration: INE, USA, California, Carmel Point 8238
 Temperature effects: INE, USA, California, Carmel
 Point 8238

***Tonna galea*,**

Aggressive behaviour 6465
 Feeding behaviour 6465
 Protective behaviour 6465

***Tor tor*,**

Anatomy 12947
 Glands 12947
 Kidney 12947

***Torpedo*,**

- Biochemistry 11804
 Nervous systems 10626
 Ultrastructure 10626
Tr torpedo marmorata,
 Anaesthesia 8409
 Drugs 8409
 Electric organs 6308
 Electrical conductance 6308
Tr torpedo nobiliana,
 Muscular system Ultrastructure 267
 Sense organs Ultrastructure 267
Tr torpedo ocellata,
 Nervous system Cytology 1490
Tr torpidinidae,
 Biochemistry 13004
 Electric organs 13004
 Nerves 13004
Tr tortanus orcipatus,
 Eggs Salinity effects 361
 Eggs Temperature effects 361
Tr toxoglossa,
 Predation 5371
Tr toxotes,
 Feeding behaviour Predation 1695
Tr toxotes ulysses,
 Life cycle Feeding behaviour 2748
Tr tracheloraphis,
 Environmental effects 8531
 Physiology 8531
 Tolerance 8531
Tr trachinus uipera,
 Anatomy 7260
 Habitat 7260
 Locomotion 7260
Tr trachurus,
 Gear selectivity 13567
 Mesh regulations 13567
Tr trachurus japonicus,
 Acids 10619
 Chemical composition 10619
 Fats 10619
 Fishery surveys: INW 5624
 Fishery surveys: ISEW 5624
 Food organisms Larvae 1728
 Larvae Feeding behaviour 1728
Tr trachurus mediterraneus,
 Brain 6336
 Carbohydrates 6336
 Fatigue 6336
 Fatigue Temperature effects 282
 Fats Chemical composition: ASE, Black Sea 283
 Fats Muscular system: ASE, Black Sea 283
 Metabolism Fatigue 282
 Metabolism Phosphates 282
 Metabolism Temperature effects 282
 Phosphates Muscular system 282
Tr trachurus symmetricus,
 Enzymes 2834
 Meristic counts: ISE, Peru 11768
 Metabolism 2834
 Morphology (organisms): ISE, Peru 11768
Tr trachurus trachurus,
 Fecundity: PSW, South West Africa 10801
 Fish catch statistics: PSW, South West Africa 10886
 Fish catch statistics: PSW, Southern African Coast 11240
 Fish protein concentrate 10063, 10065
 Gear selectivity: ASE, Spain, Galicia 12332
 Gear selectivity Experimental fishing: ASE, Spain, Galicia 3385
 Growth: PSW, South West Africa 10801, 10802, 10885
 Length-weight relationships: PSW, South West Africa 10886
 Otolith reading: PSW, South West Africa 10802
 Population dynamics: PSW, South West Africa 10885
 Processing fishery products 10063
 Spawning seasons: PSW, South West Africa 10885
 Stomach content: PSW, South West Africa 10885
 Total mortality: PSW, South West Africa 10885, 10886
Tr trachyrhynchus scabrus,
 Exploratory fishing: ASE, Alboran Sea 7840
 Geographical distribution: ASE, Alboran Sea 7840
 Yield: ASE, Alboran Sea 7840
Tr trachyrhynchus villegai,
 New species: ISE, Chile 1494
Tr tradescantia,
 Chemical pollutants 5993
 Hybrids 5993
 Mutations 5993
 X-rays 5993
Tr transkeithynella paradoxa,
 New species: PSW, South Africa 9276
Tr transvaalthynella coineau,
 New species: PSW, South Africa 9276
Tr trapania maculata,
 Colour: ANE, British Isles, Dorset, Portland 11607
 Geographical distribution: ANE, British Isles, Dorset, Portland 11607
 New records: ANE, British Isles, Dorset, Portland 11607
Tr trebouxia,
 New species 10305
 Taxonomy 10305
Tr trematoda,
 Biological collections: AN, Greenland 7147
 Diseases: INE, USA, California 6531
 Parasites: ANE, Reykjanes Ridge 11991
 Parasites Morphology (organisms) 406
 Seasonal variations: INE, USA, California 6531
Tr trematomus bernacchi,
 Freezing: PS, Antarctica 9576, 9576
Tr trematomus borchgrevinski,
 Blood: PS, Antarctic Ocean 7313
 Chemical structure 2822
 Proteins 2822

Spectroscopic techniques 7313
Thermoregulation 2822
Water temperature: PS, Antarctic Ocean 7313

***Trematodus lonnbergi*,**

Blood: PSE, McMurdo Sound 11820
Respiration: PSE, McMurdo Sound 11820

***Tresus capax*,**

Biochemistry 12863
Digestion 12863
Ecology: INE, USA, California, Humboldt Bay 7860
Enzymes 12863
Parasites: INE, USA, Oregon 5287
Population dynamics: INE, USA, California, Humboldt Bay 7860
Resource management: INE, USA, California, Humboldt Bay 7860

***Tretiatosia*,**

New species: Israel, Negev 10106

***Treubaria*,**

Morphology (organisms) 11488
Taxonomy 11488

***Treubariaceae*,**

New species 11488

***Triadinium minimum*,**

Evolution 1837

***Triakis semifasciata*,**

Parasites: INE, USA, California 9650

***Tribolodon hakonensis*,**

Catching methods 13563
Feeding 13563
Line fishing gear 13563

***Trichorixa verticalis*,**

Osmoregulation: Canada, Saskatchewan 6183
Salt lakes: Canada, Saskatchewan 6183

***Trichechus senegalensis*,**

Chemical analysis 9503
Fats 9503

***Trichiurus lepturus*,**

Ageing methods: INW, Japan, Kii Channel 10798
Geographical distribution: PSW, Africa 9550
Growth rate: INW, Japan, Kii Channel 10798
Length-weight relationships: INW, Japan, Kii Channel 10798
Morphology (organisms): ISEW, East China Sea 1500
Mouth parts Feeding behaviour: INW, Japan 1727
Reproductive organs 12962
Size distribution: INW, Japan, Kii Channel 10798
Ultrastructure 12962

***Trichocera rattus*,**

Ultrastructure Photoreceptors 1352

***Trichodesmium*,**

Algal blooms: ISW, India, Cochin 10923
Culture media: World Oceans 5965
Environmental factors: World Oceans 5965
Nutrients (mineral) 5965
Red tides: I, Pacific 5965

***Trichogaster fasciatus*,**

Chromosomes 6252
Histology 8328

***Trichoplax adhaerens*,**

Histology 10895

***Trichopsis vittatus*,**

Aggressive behaviour 11924
Learning behaviour 11924
Reproductive behaviour 11924
Vocal behaviour 11924

***Trichoptera*,**

Check lists: Morocco 10530
Environmental effects 4104
Feeding: New Zealand, Wainui Valley Stream 4141
Food composition: New Zealand, Wainui Valley Stream 4141
Freshwater ecology: USSR, Ak-Bura R. 6390
Freshwater ecology: Zaire, Tshinganda/Luhoho R. 5355
Geographical distribution: Morocco 10530
Habitat 4104
Keys: British Isles 6181
Larvae 4104
Larvae: New Zealand, Wainui Valley Stream 4141
Larvae: USSR, Ak-Bura R. 6390
Life cycle: British Isles, Severn R. 8317
New records: Morocco 10530
Sex ratios: Austria 10966
Thermal pollution: British Isles, Severn R. 8317

***Trichosphaerium*,**

Life cycle 6021
Morphology (organisms) 6021

***Trichosphaerium platyxyrum*,**

New species: ISEW, Great Barrier Reef 11557

***Tricladida*,**

Food composition 4144
Freshwater ecology: British Isles, Caernarvonshire 4246
Population dynamics: British Isles, Caernarvonshire 4246
Predation: British Isles, Caernarvonshire 4246
Taxonomy 2568

***Tridachia crispata*,**

Symbiosis 7602

***Tridacna crocea*,**

Growth rate: ISEW, Great Barrier Reef 11599

***Tridacna maxima*,**

Biochemistry 2649
Immunology 2649
Population genetics: ISEW, Great Barrier Reef, Heron I. 10904
Population genetics: ISEW, Marshall Is., Eniwetok Atoll 10904

***Tridacnidae*,**

Biomass: ISEW, Palau Is., Helen Reef 12448
Population density: ISEW, Palau Is., Helen Reef 12448
Stock assessment: ISEW, Palau Is., Helen Reef 12448

***Tridontium tasmanicum*,**

Epiphytes: PSE, Campbell I. 8094

- Trigon pastinaca*,
Electric organs 6283
Physiology 6283
- Trigonostominae*,
Interstitial environment: ISE, Galapagos 3873
New species: ISE, Galapagos 3873
- Trileptium otti*,
New species: ASW, Bermuda, Tucker's Town
Cove 11564
- Trilobita*,
Fossils: British Isles, Ayrshire, Girvan 13957
New species: British Isles, Ayrshire, Girvan 13957
Palaeontology: British Isles, Ayrshire, Girvan 13957
Taxonomy 4955
- Trimarginites*,
Fossils 6098
Morphology (organisms) 6098
- Trimusculus reticulatus*,
Biology 8582
Eaves 8582
Feeding behaviour 8582
Mouth parts 8582
- Trinectes inscriptus*,
Morphology: ASW, Cuba 7266
- Trinectes maculatur*,
Thermal pollution 631
- Trinectes maculatus*,
Insecticides 6681
Thermal pollution Biological rhythms 630
- Trinucleidae*,
Evolution 4955
Morphology (organisms) 4955
- Trionyx sinensis*,
Cytology 13098
Pituitary gland 13098
Seasonal variations 13098
- Trionyx spinifer*,
Cadmium: USA, Tennessee 7706
Pollution effects: USA, Tennessee 7706
- Tripedalia cystophora*,
Life cycle 4849
- Tripterygion*,
Morphology (organisms): ASE, Mediterranean 9384
Speciation: ASE, Mediterranean 9384
Taxonomy: ASE, Mediterranean 9384
- Tripterygion atlanticus*,
New species: ANE, English Channel 1507
- Tripyla*,
Keys 10363
Taxonomy 10363
- Tripyla dybowskyi*,
New species: USSR, Baikal L. 10363
- Tripyla subterranea*,
New species: USSR, Issyk-Kul' L. 10363
- Tripyla tenuis*,
New records: USSR, Issyk-Kul' L. 10363
- Trisopterus luscus*,
Fishery surveys: ASE, Spain, Galicia 3436
Gear selectivity: ASE, Spain, Galicia 12332
- Tritonia*,
Avoidance behaviour 7412
Locomotion 7412
- Triturus*,
Digestive glands Ultrastructure 317
- Triturus alpestris*,
Vocal behaviour 10788
- Triturus cristatus*,
Abundance: British Isles 8418
Biological data: British Isles 8418
Conservation: British Isles 8418
Cytology 10687
Geographical distribution 7356
Geographical distribution: British Isles 8418
Introduced species: Azores 7356
Legislation: British Isles 8418
Meiosis 10687
New records: Azores 7356
Predation 10985
Regeneration 10687
- Triturus montandoni*,
Chromosomes 1589
- Triturus pyrrhogaster*,
Eggs 5116
Reproduction 5116
- Triturus viridescens*,
Biosynthesis 11851
Drugs 5117
Nerves 11851
Regeneration 5117, 11851
Secretory products 11851
- Triturus vulgaris*,
Breeding: Denmark, Jutland 8439
Correlation analysis 10670
Geographical distribution: Denmark, Jutland 8439
Juveniles: Denmark, Jutland 8439
Larvae Environmental effects 1681
New records: Denmark, Jutland 8439
Predation 10985
Reproductive behaviour 10670, 10763
Respiration 10763
RNA 6374
Sperm 10670
- Trizopagurus hawaiiensis*,
New species: ISE, Hawaii 6150
- Trobolodon hakonensis*,
Alarm substances 1689
- Trochidae*,
Shells 8198
Ultrastructure 8198
- Troglocaris*,
Caves: France, Sauve 5377
Rivers: France, Sauve 5377

***Troglocaris anophthalmus*,**

Eggs 9293

Life cycle 9293

***Tropisternus*,**

Reproductive behaviour 11930

Social behaviour 11930

Sound production (biological) 11930

***Tropisternus ellipticus*,**

Life cycle Locomotion: USA, Oregon, Waterloo Falls 1468

***Trunculumarium*,**

New species 9127, 12069

***Trygon pastinaca*,**

Electric organs 10631

Magnetism 10631

***Trypanosoma bufophlebotomi*,**

New records: USA, Michigan, McCormick Experimental Forest 7144

***Trypanosoma pseudopodium*,**

New species: USA, Michigan, McCormick Experimental Forest 7144

Parasites: USA, Michigan, McCormick Experimental Forest 7144

***Trypanosoma schmidtii*,**

New records: USA, Michigan, McCormick Experimental Forest 7144

***Tubifex*,**

Freshwater pollution 7723

Lead 7723

Survival 7723

***Tubifex hattai*,**

Development 3908

Eggs 3908, 11583

Ontogeny 11583

Staining 11583

***Tubifex litoralis*,**

New species: ANE, Iceland 10385

***Tubifex tubifex*,**

Cultures 2990

Enzymes 10418

Food composition 2990

Life cycle 2990

Metabolism 10418

Nutrition 2990

***Tubificidae*,**

Digestive system 5405

Metabolism 5405

Population density Sediment analysis: Austria, Inn R., Schaerding-Neuhaus 2018

Symbiosis 5405

***Tubipora musica*,**

Electrical conductance 12821

Physiology 12821

***Tunicata*,**

Feeding behaviour 9618

Feeding mechanisms 9618

Filter feeders 9618

Plankton feeders 9618

***Turbanella cornuta*,**

Muscular system 3878

***Turbellaria*,**

Anatomy 10389

Biocoenoses: ISE, Galapagos 3872

Biological collections 8168

Evolution 10389

Geographical distribution 8168

Geographical distribution: ASE, Romania,

Agigea 11544

Glands 10389

Histology 10389

Interstitial environment 11566

Interstitial environment: ANE, North Sea, Sylt Isl. 3888

Interstitial environment: ISE, Galapagos 3872

Methodology 7407

Morphology (organisms) 10389

Morphology (organisms) Geographical distribution: ANE, Baltic 152

New records: ANE, Norway, Stjoernfjord 9171

New records: ANE, Norway, Trondheimsfjord 9171

New species: ANE, Norway 11566

New species: ASW, USA 11566

Photographic equipment 7407

Population dynamics: ANE, North Sea, Sylt Isl. 4168

Population structure: ANE, North Sea, Sylt Isl. 4168

Salt marshes: ANE, Norway, Stjoernfjord 9171

Salt marshes: ANE, Norway, Trondheimsfjord 9171

Secretory products 10389

Skeleton 11566

Stimuli 7407

Taxis 7407

Taxonomy 8168

Taxonomy: ANE, North Sea, Sylt Isl. 3883

***Turbinidae*,**

Terminology 4884

***Turbonilla*,**

Polymorphism: ANW, USA, Connecticut 7178

Terminology: ANW, USA, Connecticut 7178

***Turbonilla nivea*,**

Morphology (organisms): ANW, USA, Connecticut 7178

***Turbonilla stricta*,**

Morphology (organisms): ANW, USA, Connecticut 7178

***Turgecaecum longifauces*,**

Taxonomy New species: ASW, USA, Florida 1357

Micropterus notius: Parasites: ASW, USA, Florida 1357***Turridae*,**

Morphology (organisms) 2636

***Turritella communis*,**

Population structure: ANE, British Isles, Musselburgh 3028

***Tursiops truncatus*,**

Audition 10661

Diseases 5283

Economic analysis: ASW, USA, Florida 4532

Feeding 5283

Juveniles 6466

- Learning behaviour 6466
 New records: ASE, Venice Lagoon 6416
 Pest control: ASW, USA, Florida 4532
 Serological studies 5283
 Stimuli 10661
 Stock assessment: ASE, Black Sea 13844
Tusayana,
 Anatomy 11612
 Palaeontology 11612
 Taxonomy 11612
Tylenchides,
 Check lists: Cameroon, Inland waters 1361
Typha domingensis,
 Littoral zone: Africa, Malawi, Lake Chilwa 7349
 Nutrient cycles: Africa, Malawi, Lake Chilwa 7349
Typhloplanidae,
 New species: ANE, North Sea, Sylt Isl. 3887
Typhlopolycestis coomansi,
 New species: ASE, Mediterranean 1366
Typhlotriton spelaeus,
 Morphology (organisms) Taxonomy: USA 1582
Uca,
 Bibliographic information 7197
 DDT 12234
 Environmental factors: ASW, USA, Texas 5183
 Geographical distribution: World Oceans 7197
 Habitat: USA, Texas, Mustang I. 9581
 Keys : World Oceans 7197
 Morphology: World Oceans 7197
 Moulting 12234
 Pollution effects 12234
 Regeneration 12234
 Social behaviour: ASW, USA, Texas 5183
 Taxonomy : World Oceans 7197
 Temperature : USA, Texas, Mustang I. 9581
Uca minax,
 Community composition: USA, Delaware 9940
Uca panacea,
 Lethal limits: ASW, USA, Texas, Mustang Island 7199
 Temperature effects: ASW, USA, Texas, Mustang Island 7199
Uca pugilator,
 Amino acids 9311
 Artificial feeding 12381
 Bacterial diseases 12007
 Biosynthesis 9311
 Carbohydrates 9310
 Chromatophores 8288
 Eyes 8288
 Inhibitors 8288
 Light effects 8288
 Nutritional requirements 12381
 Osmoregulation 8296
 Pigments 8288
 Radioactive tracers 9311
 Rearing . 12381
Uca pugnax,
 Environmental effects 11699
 Eyestalks 6167
 Glands 6167
 Insecticides 11095
 Pesticides 11699
 Pollution effects 12247
 Predation: ANW, USA, New Jersey, Great Bay Marsh 11095
 Toxicity 12247
 Ultrastructure 6167
Uca virens,
 Seasonal variations: ASW, USA, Texas, Mustang Island 7199
Ulothrix aequalis,
 Chemical composition 11533
 Fats 11533
Ulva,
 Food organisms: INE, USA, California, Monterey Peninsula 8581
Ulva fasciata,
 Cytology Chromosomes 2515
Ulva lactuca,
 Benthos 8088
 Cells 12748
 Development 12748
 Growth regulators 8088
 Production (biological) 8088
 Ultrastructure 12748
Ulva pertusa,
 Bioaccumulation 6689, 13477
 Ion accumulation 13477
 Radioisotopes 13477
 Sediment analysis 13477
Umbonium vestiarium,
 Feeding behaviour: India, Vellar R. 5255
 Filter feeders: India, Vellar R. 5255
Umbra limi,
 Chromosomes 10589
 Mutations 10589
 Pollutants 10589
Undaria pinnatifida,
 Alginates 13872
 Bioaccumulation 6689
 Carbohydrates 7124
 Chemical composition 7124
 Economics: Japan 7837
 Metals 13872
 Physical properties 13872
 Seaweed culture: Japan 7837
 Seaweed products 13872
Undichna,
 Fossils: South Africa 11762
 New species: South Africa 11762
Unibrachium,
 New species: ISEW, Molucca Isl. 2848
Unicapsula pflugfelderi,
 New species: ASE, Mediterranean 10383
 Parasites: ASE, Mediterranean 10383
 Taxonomy: ASE, Mediterranean 10383

Unio,

Shells 4895

Taxonomy 4895

Unionacea,Geographical distribution: USA, North Dakota,
Sheyenne R. 11598**Unionicola intermedia,**

Parasites 10865

Unionicola lundbladi,

New species: Australia 1479

Unionidae,

Chemical composition 12868

Mercury Bioaccumulation 1992

Physiology 12868

Shells 12868

Upeneus moluccensis,

Fishery biology: ISEW 13809

Geographical distribution: ISEW 13809

Population parameters: ISEW 13809

Uralinella,

New species: USSR, Tadzhikistan 2558

Palaeontology New species: USSR 2246

Urceolariidae,

New records: Bulgaria 1754

Parasites Growth: USSR, Inland waters 1700

Parasites Juveniles: USSR, Inland waters 1700

Urceolus cyclostomus,

New records: Japan, Inland waters 12747

Urechis caupo,

Chromosomes 6052

Cytology 6052

Eggs 6052

Fertilization 8176

Mitosis 6052

Oogenesis 6054

Reproduction 8176

Reproductive organs 6054

Sperm 6052

Urochordata,

Biological collections: ISEW, Hong Kong 9450

Check lists: ISEW, Okinawa 9450

New species: ISEW, Okinawa 9450

Urocleidus nactus,

New species: USA, North Carolina 6034

Parasites: USA, North Carolina 6034

Urodela,

Acclimation 9496

Biochemistry 8430

Brain 4040

Embryos 11846

Eyes: Romania 5109

Fatigue 9496

Glands: Romania 5109

Histology 8430

Inhibitors 11846

Morphology (organisms) 4040

Morphology (organisms) Nervous systems 301

Muscular system 8430

Nerves 8430

Ontogeny 11846

Proteins 11846

Regeneration 8436

Temperature effects 9496

Temperature tolerance 9496

Uronema,

Centrifugation 5949

Methodology 5949

Urophycis chuss,

Freezing storage 5709

Storage effects 5709

Urosalpinx cinerea follyensis,

Abnormalities 4907

Mouth parts 4907

Urosporidium,

Taxonomy: ANW, USA, Virginia 10863

Urosporidium spissuli,*Spisula solidissima*: Parasites Microbial
contamination 3010**Utaperla sopladora,**Invertebrate larvae Morphology (organisms): USA,
Nevada 1476**Uteriporus vulgaris,**

Chromosomes 11575

Utricularia,

Osmoregulation 143

Valdanchella miliani,

Palaeontology: ASE, Mediterranean 10102

Valvata,

Embryology 11626

Taxonomy 11626

Vannuccia hastata,

New species: ISE, Galapagos 3872

Vannuccia talea,

New species: ISE, Galapagos 3872

Varicospira cancellata,

New records: ISW, Sri Lanka 6430

Varicosporium splendens,

New species: Malaysia 2505

Vasconiella jeffreysiana,Geographical distribution: ASE, France,
Messanges-Plage 2885

New records: ASE, France, Messanges-Plage 2885

Vaucheria,

Communities: Germany, Dem.Rep., Harz 7086

Geographical distribution Salinity effects: ANE,
Netherlands 322**Vaucheria pseudo-germinata,**

Reviews 7086

Venerupis decussata,Brackishwater aquaculture: ASE, Spain, Galicia, Ribadeo
Estuary 13742

Chemical composition 6854

Copper 5495

Ecology 6854

Pollution effects 5495

- Production (biological) 6854
 Shellfish culture: ASE, Spain, Galicia, Ribadeo
 Estuary 13742
 Shellfish fisheries 6854
Venerupis japonica,
 Reproduction: INE, USA, Washington 4926
 Spawning: INE, USA, Washington 4926
Venerupis pullastra,
 Hatcheries: ASE, Spain 13743
 Shellfish culture: ASE, Spain 13743
Venus,
 Fossils: ISE, Chile 6090
 Fossils: PSW, Chile 6090
Venus verrucosa,
 Marine aquaculture Resource management: ANE,
 France, Brittany 2052
Veretillum cynomorium,
 Bioluminescence 6057
 Electrical conductance 6057
 Nervous systems 6057
Verongia,
 Symbiosis 6602
Verruca stroemia,
 Life cycle 4975
 Nutritional requirements 4975
 Temperature effects 4975
Vertebrata,
 Bioassays 4285
 Blood cells 10402
 Chemical stimuli 13109
 Chemoreception 6047
 Evolution 6047, 8462, 13109
 Evolution Immunology 1836
 Haemoglobins 1086
 Hormones 13109
 Hormones Biochemistry 1836
 Immunology 1086
 Ovaries 13109
 Parasitic diseases: World Land Areas 5282
 Parasitic diseases: World Waters 5282
 Phenols Toxicity: America, Great Lakes 7762
 Red tides Nerves 759
 Red tides Physiology 753
 Red tides Poisonous organisms 753
 Red tides Poisons (biological) 753, 759
 Red tides Poisons (biological): ASW, USA, Florida 754
 Red tides Toxicity 753, 759
 Red tides Toxicity: ASW, USA, Florida 754
 Viral diseases 5282
Verticordiidae,
 Morphology (organisms) 4888
Vetтория parva,
 New records: ISW 4077
Vibrio,
 Carbohydrates 13893
 Culture media 5950
 Disease control 5950, 13893
 Diseases 8587
 Diseases: ANE, British Isles 9655
 Diseases: ASE, Black Sea 13921
 Quality control: ASE, Black Sea 13921
 Rivers 5946
 Strains: ANW, USA, Chesapeake Bay 8079
 Taxonomy 13893
 Tumours 13893
Vibrio alginolyticus,
 Cultures Cilia 1282
 Microorganisms Cilia 1282
Vibrio anguillarum,
 Bacterial diseases 10862
 Bacterial diseases Disease control 412
 Disease control: INE, USA, Washington, Puget
 Sound 11992
 Diseases: ANE, Norway 11999
 Strains 10862
 Therapy 1766
Vibrio parahaemolyticus,
 Bacterial diseases 10071
 Disease control 3008
 Diseases: ANE, Baltic 6532
 Diseases: ASE, Togo 2464
 Dissolved materials 11451
 Ecology: ASE, Togo 2464
 Environmental factors 119
 Fishery products 3564
 Food technology 10071
 Geographical distribution: ASW, USA, Texas, Galveston
 Bay 13352
 Growth 11451
 Methodology: ANE, Netherlands 8072
 Microbial contamination 10071
 Microbial contamination Bacterial diseases 410
 Microbial contamination Fishery products 2204
 Microbial contamination Shellfish 3561
 Microorganisms Noxious organisms: PSW, South
 Africa 2217
 Noxious organisms: PSW, South Africa 2217
 Public health 10071
 Quality control 3564
 Sampling (biological): ANE, Netherlands 8072
 Sea water 1055
 Sea water Public health 2213
 Survival 3564
 Temperature effects 3564
 Toxicity 11451
 Viral diseases Fishery products 1055
Vibrio psychoerythrus,
 Cell division 11443
 Ultrastructure 11443
Vibrio 82 Aeromonas,
 Environmental effects 8527
 Growth 8527
 pH 8527
Villosacapsula,
 New species 9127
Virus,
 Filtration: USA, Arizona, Phoenix, Salt R. 11052
 Sewage effluents 6632
 Water analysis (biological) 6632

Virus cyanophage AS-1M,

Biosynthesis 8608
Development 8609
Metabolism 8609
Parasites 8607, 8608, 8609
Proteins 8608
Ultrastructure 8607

Virus simian 40,

Eggs 4752

Viviparus contectoides,

Oxygen consumption 6111
pH 6111
Temperature effects 6111

Viviparus georgianus,

Aggregations: USA, Hudson R., Sawkill Tributary 7454
Feeding behaviour: USA, Hudson R., Sawkill Tributary 7454
Lenitic environment: USA, Hudson R., Sawkill Tributary 7454

Viviparus subpurpureus,

Chromosomes Mitosis 197

Volvarina pergrandis,

Terminology: ISW 2615

Volvatella viridis,

Morphology (organisms) 10440
New species: INW, Japan, Amami Is., Yoron I. 10440

Volvocales,

New records: India 11470
Taxonomy: India 11470

Volvox carteri,

DNA 13401
Genetics Fertility 1316
Symbionts 13401

Wallago attu,

Biochemistry: India, Inland waters 6322
Fats: India, Inland waters 6322
Food technology: India, Inland waters 6322
Gases 3025
Hosts 3025
Swim bladder 3025

Wallagonia,

Parasites 12838

Wallagonia attu,

Electrophoresis 10643
Proteins 10643

Walliserodus,

Fossils: USA, Illinois 10103
New species: USA, Illinois 10103

Wattisia,

Taxonomy 12953

Wattisia mossambica,

New species: ISW, Hong Kong 12953

Winteria telescopica,

Bioluminescence 9781

Wintheria telescopa,

New records: INW, Kuroshio Current 10708

Wolffia arrhiza,

Aquatic plants 8693
Herbicides 8693
Indicator organisms 8693

Woloszynskia stoschii,

New species: India 5983
Reproduction: India 5983

Xanthidae,

Geographical distribution: ASW, USA, Alabama 5197

Xanthophyceae,

Photosynthetic pigments 2521
Pollution effects 11101

Xarifania bassi,

New records: ISW, Comoro Isl. 2921

Xarifania hassi,

New records: ISW, Comoro Is., Mayotte I. 5035
Taxonomy: ISW, Comoro Is., Mayotte I. 5035

Xenodermichthys,

Skin 6215

Xenophthalmichthys danae,

Morphology (organisms): ASE, Guinea Gulf 11760

Xenopus,

Development 6356
Eyes Embryology 309
Hosts 3019
Morphology (organisms) 6356

Xenopus laevis,

Abnormalities 9485
Biochemistry 2864, 4055, 7337
Biosynthesis 9479
Blood cells 9494
Cell division 2864
Cells 10691
Chemical analysis 13009, 13094
Chemical pollutants 9485
Chromosomes 6372, 8445
Cytology 11854
Development 2864, 13091, 13094
DNA 5112, 13009
Drugs 2862, 8461
Eggs 4055, 7337, 9479, 9495
Embryology 308, 8467
Embryos 9479, 13091, 13094
Energy flow 9495
Enzymes 8467, 13009, 13091
Fats 13094
Glands 8432, 8467, 9459, 9494
Hormones 6372, 8461, 10691
Immunology 6379
Inhibitors 2862
Larvae 8436, 10691
Meiosis 6372, 8445, 9462
Metamorphosis 7336
Methodology 5112
Mitosis 7335
Mortality causes 10691
Nervous systems 8436
Ontogeny 13009
Oogenesis 4050

Osmoregulation 8456, 11854
 Physiology 9494
 Pigments 8461
 Pituitary gland 8461
 Pollution effects 9485
 Proteins 9479
 Regeneration 8436
 Respiration 4050
 RNA 4053, 7336, 8445
 Salinity tolerance 8456
 Spermatogenesis 2862, 9462
 Tissue culture 9495
 Ultrastructure 8461, 9479
 Viruses 4752

***Xenopus tropicalis*,**

Biochemistry 7331
 Environmental factors: Africa, West 8446
 Glands 7331
 Histology 7331
 Reproduction 2856
 Reproduction: Africa, West 8446
 Skin 7331

***Xiphias gladius*,**

Aggressive behaviour: ASW, Blake Plateau 1697
 Anatomy 6210
 Fish catch statistics: ASE, Spain 13801
 Morphology (organisms) 6210
 Noxious organisms Underwater research vessels: ASW, Blake Plateau 1697
 Skeleton 6210

***Xiphiidae*,**

Enzymes 9652
 Fins 9652
 Genetics 9652
 Tumours 9652

***Xiphopenaeus kroyeri*,**

Cold storage 12479
 Preservation (fishery products) 12479
 Quality control 12479
 Storage effects 12479

***Xiphophoridae*,**

Genetics 11785
 Tumours 11785

***Xiphophorus*,**

Aggressive behaviour 5219, 11945
 Social behaviour 5219

***Xiphophorus helleri*,**

Aggressive behaviour 5223
 Aggressive behaviour 86 Statistical analysis 8553
 Biophysics 10790
 Diseases 12973
 DNA^a 8368
 Genetics 8368, 12973
 Growth 10790
 Hybrids 12973

***Xiphophorus maculatus*,**

Abnormalities 2759

Diseases 12973
 Genetics 12973
 Hybrids 12973

***Xiphosura*,**

Physiology Laboratory research 1457

***Yabeicerias manasoense*,**

Geographical distribution: PSW, South African Rep. 10101
 New records: PSW, South African Rep. 10101
 Palaeontology: PSW, South African Rep. 10101

***Zalerion maritimum*,**

Cultures 10800
 Growth rate 10800
 Nitrogen 10800

***Zalophus californianus*,**

Bromine: INE, USA, California 9890
 Chemical analysis: INE, USA, California 9890
 Conservation 13843
 Locomotion 9454
 Mathematical models 8472
 Mercury: INE, USA, California 9890
 Mortality causes: INE, USA, California 9890
 Physiology 2867
 Population dynamics 13843
 Selenium: INE, USA, California 9890
 Skeleton 9454
 Stock assessment 13843
 Thermoregulation 8472
 Vision 6363

***Zanclaea prolifera*,**

Asexual reproduction: INW, Japan 12809
 New species: INW, Japan 12809
 Seasonal variations: INW, Japan 12809

***Zaniolepis latipinnis*,**

Abnormalities: INE, USA, California, Monterey Bay 12952
 Morphology (organisms): INE, USA, California, Monterey Bay 12952
 Skeleton: INE, USA, California, Monterey Bay 12952

***Zapada*,**

Autecology: USA, Utah, Wasatch Mountains, Mill Creek 9318
 Geographical distribution: USA, Utah, Wasatch Mountains, Mill Creek 9318
 Life cycle: USA, Utah, Wasatch Mountains, Mill Creek 9318
 Seasonal variations: USA, Utah, Wasatch Mountains, Mill Creek 9318

***Zaus robustus*,**

Larvae 12897
 Morphology (organisms) 12897
 Sexual dimorphism 12897

***Zelandopsycha ingens*,**

Freshwater ecology: New Zealand, South I. 13120

***Zemira*,**

Taxonomy 4881

***Zemira australis*,**

New species 4881

***Zen itea*,**

New records: ISW 11763

Taxonomy: ISW 11763

***Zeylanema*,**

New species: Pakistan 7151

***Zeylanema barragi*,**

New species: ISW, Pakistan 12805

***Zeylanodiptomus papillopedis*,**

New species: Sri Lanka 6143

***Ziphiidae*,**

Fossils Morphology (organisms): Kenya 1585

***Ziphius cavirostris*,**

Geographical distribution: ISW, Comoro Is. 7365

***Zoarces viviparus*,**

Blood 6276

Fats 6276

Feeding: ANE, Sweden, Asko-Landsort 9633

Parasites 5277

Parasitology: ANE, Baltic 12006

Reproduction 11781

Reproductive organs 5277

Seasonal variations 6276

***Zoila perlae*,**

New species: ISW, Australia, Western Australia 2629

***Zonaria*,**

Cytology 4125

Drugs 4125

Growth 4125

***Zonophryxus dodecapus*,**

New records: ISEW, Guam 13147

***Zoobotryon pellucidum*,**

Fouling organisms: INW, Japan, Ago Bay 6782

Marine ecology: INW, Japan, Ago Bay 6782

***Zoogonoides viviparus*,**

Life cycle 11539, 11539

Morphology (organisms) 11539, 11539

***Zoomastigophora*,**

Community composition: USSR, Baikal L. 9765

Ecosystems: USSR, Baikal L. 9765

***Zoopagales*,**

Keys 9106

Parasites 9106

Predation 9106

***Zostera*,**

Bibliographies: ISW, Red Sea 4755

Check lists: ISW, Red Sea 4755

Community composition: ANE, Wadden Sea 7563

History: ISW, Red Sea 4755

Population structure: ANE, Wadden Sea 7563

Resource development 2183

***Zostera marina*,**

Abundance: ANW, USA, Virginia, Chesapeake Bay 11458

Abundance: INE, USA, California, Agua Hedionda 10747

Aerial photography: ANW, USA, Virginia, Chesapeake Bay 11458

Annual variations: ANE, Finland, Tvarminne 9740

Annual variations: ANW, USA, Virginia, Chesapeake Bay 11458

Biomass: ANE, Denmark 6589

Biomass: ANW, USA, North Carolina 12146

Community composition: ANE, Finland,

Tvarminne 9740

Community composition: ANW, USA, North Carolina, Newport R. 9743

Detritus 6604

Diseases: ANE, Wadden Sea 7563

Ecology: ANW, USA, North Carolina 12146, 12147

Energy flow: ANW, USA, North Carolina 12147

Energy flow: ANW, USA, North Carolina 12146

Epiphytes: ANW, USA, North Carolina, Beaufort 4760, 6608

Harvesting: ISE, California Gulf 4469

Light penetration: INE, USA, California, Agua

Hedionda 10747

Nutritive value: ISE, California Gulf 4469

Primary production 6604

Primary production: ANW, USA, North Carolina 12147

Production (biological): ANE, Denmark 6589

Seasonal variations: ANW, USA, North Carolina, Beaufort 4760

Standing crop: INE, USA, California, Agua

Hedionda 10747

***Zosteraceae*,**

Commercial species: USA coasts 11457

Controlled conditions: ASW, USA, Texas, Redfish Bay 11496

Ecosystems: ASW, Caribbean 12136

Ecosystems: USA coasts 11457

Environmental effects: ASW, USA, Texas, Redfish Bay 11496

Herbivores: ASW, Caribbean 12136

Reproduction: ASW, USA, Texas, Redfish Bay 11496

Reviews: USA coasts 11457

Tolerance: USA coasts 11457

***Zosteraceae*,**

Autecology: PSE, Australia, New South Wales, Botany Bay 10702

***Zygoptera*,**

Reproductive behaviour: New Zealand 2964

- A, Atlantic,**
 Abundance: *Acantharia* 4195
 Age composition: *Scombridae* 12023
 Age composition: *Thunnus alalunga* 12441
 Age composition: *Thunnus albacares* 12021
 Ageing methods: *Thunnus thynnus* 13217
 Aquatic plants 9541
 Biochemistry: *Bacteria* 12266
 Catch effort: *Thunnus alalunga* 12422
 Catch effort: *Thunnus albacares* 12419
 Catch effort: *Thunnus obesus* 3449
 Catch statistics: *Scombridae* 3448
 Cilia Coral reefs: *Agaricidae* 8189
 Climate Palynology 2240
 Current measurements 11386
 Data collections: *Scombridae* 3427
 Fecundity: *Thunnus thynnus* 13763
 Feeding behaviour: *Brevoortia tyrannus* 9598
 Fish catch statistics: *Mahaira* 13802
 Fish catch statistics: *Scombridae* 11218
 Fish catch statistics: *Thunnus alalunga* 13791, 13793
 Fish catch statistics: *Thunnus albacares* 12021, 12419
 Fisheries: *Thunnus albacares* 3469
 Fisheries: *Thunnus obesus* 3449
 Fisheries data: *Scombridae* 11218
 Fisheries data: *Thunnus alalunga* 12442
 Fisheries regulations: *Scombridae* 12439
 Fisheries statistics: *Scombridae* 12023
 Fisheries statistics: *Thunnus alalunga* 3453
 Fisheries statistics Trawlers 981
 Fishery management: *Thunnus albacares* 3470
 Fishery management: *Thunnus thynnus* 3474
 Fishery oceanography 12039
 Fishing effort: *Thunnus alalunga* 12422, 12441, 13793
 Fishing gear: *Scombridae* 11218
 Food chains: *Brevoortia tyrannus* 9598
 Geographical distribution: *Endeis charybdaea* 2919
 Geographical distribution: *Haplomiscidae* 9278
 Geographical distribution: *Thunnus alalunga* 13861
 Grazing: *Brevoortia tyrannus* 9598
 Ichthyoplankton: *Thunnus thynnus* 13762
 Length-weight relationships: *Scombridae* 12023
 Line fishing: *Thunnus alalunga* 12422
 Line fishing: *Thunnus albacares* 12439
 Marine fisheries: *Scombridae* 13860
 Marking: *Thunnus alalunga* 13794
 Mathematical models 7020
 Microorganisms: *Sicyonia brevirostris* 5407
 Migrations: *Thunnus thynnus* 13160
 Morphology (organisms): *Idiastion kyphos* 6202
 Mortality: *Thunnus thynnus* 3031
 New species: *Haplomiscidae* 9278
 Oil pollution 12193
 Oil pollution: *Bacteria* 12266
 Oxidation: *Bacteria* 12266
 Pelagic fisheries: *Scombridae* 13860
 Pollution surveys 12193
 Population dynamics 12039
 Population dynamics: *Acantharia* 4195
 Population dynamics: *Thunnus thynnus* 3032
 Potential yield: *Thunnus alalunga* 12442
 Quota regulations: *Thunnus albacares* 3470
 Recruitment: *Thunnus alalunga* 12441
 Recruitment: *Thunnus thynnus* 3455
 Sampling (statistical): *Scombridae* 3427
 Seasonal variations: *Acantharia* 4195
 Sex ratios: *Thunnus albacares* 12417
 Sexual maturity: *Thunnus thynnus* 13763
 Size distribution: *Scombridae* 11218
 Size distribution: *Thunnus alalunga* 13791, 13793, 13861
 Size distribution: *Thunnus albacares* 3469, 12021, 12417, 12419
 Spawning grounds: *Thunnus thynnus* 13762
 Stock assessment: *Thunnus alalunga* 12441, 12442
 Stock assessment: *Thunnus albacares* 12438
 Stock assessment: *Thunnus thynnus* 3474
 Tagging: *Thunnus alalunga* 13794
 Tagging: *Thunnus thynnus* 13160
 Taxonomy: *Haplomiscidae* 9278
 Taxonomy: *Idiastion kyphos* 6202
 Total mortality: *Thunnus alalunga* 12441
 Water circulation 7020, 11386
 Wind-driven currents 11386
 Yield: *Thunnus alalunga* 3453
 Yield predictions: *Thunnus alalunga* 13861
- A, Mid-Atlantic Ridge,**
 Bathymetric charts 3801, 11408
 Continental drift 2436
 Cruises 11408
 Ocean floor 2436
 Sediment analysis 5907
 Sonar 11408
 Submarine features 3801, 11408
 Submarine volcanoes 5907
 Topography 5907
- A, Southern Hemisphere Oceans,**
 Population dynamics: *Balaenoptera physalus* 13830
 Stock assessment: *Balaenoptera physalus* 13830
 Subpopulation: *Balaenoptera physalus* 13830
- Africa,**
 Aquaculture 5581, 11183
 Diseases: *Biomphalaria* 4894
 Electrophoresis: *Biomphalaria* 4894
 Environmental effects: *Pisces* 4097
 Fish culture 881, 11183
 Fish culture: *Clarias lazera* 10010
 Fish culture: *Tilapia melanotheron* 6826
 Fish culture Hybrids: *Tilapia* 882
 Fishery industry 8813
 Fishery management 8813
 Fishery products Resource development 3510
 Geographical distribution: *Pisces* 4081, 4097
 Hydrology 4722
 Inland fisheries 8921
 International organizations Inland fisheries 1095
 Introduced species Aquaculture 856
 Mathematical models Inland fisheries 991
 Research programmes 8921
 Resource development: *Tilapia melanotheron* 6826
 Sea law 5739
 Territorial waters 5739
 Watersheds 4722

Africa, Albert L.,

Charts 4720
Hydrology 4719, 4721
Mapping 4720
Meteorology 4719, 4721

Africa coasts,

Metabolism 10922
Nitrogen cycle 10922
Phytoplankton 10922

Africa, East,

Biology: *Nothobranchius guentheri* 8545
Habitat: *Nothobranchius guentheri* 8545
Reproductive behaviour: *Nothobranchius guentheri* 8545
Survival: *Nothobranchius guentheri* 8545

Africa, Gabon R.,

New species: *Ivodomys opdenboschi* 1527

Africa, Inland waters,

Climate 11401
Disease control 7752
Environmental effects 7752
Feeding: *Crocodylus niloticus* 10663
Geographical distribution: *Crocodylus niloticus* 10663
Inland fisheries 10053
Lakes 11401
Life cycle: *Crocodylus niloticus* 10663
Precipitations (atmospheric) 11401
Resource management 7752
Social behaviour: *Crocodylus niloticus* 10663
Stock assessment 10053
Temperature 11401
Water level 11401

Africa, Kainji L.,

Freshwater ecology 8990
Limnology 8990
Sedimentation 8990

Africa, Kariba L.,

Ageing methods: *Anguilla* 7493
Geographical distribution: *Anguilla* 7493
Growth rate: *Anguilla* 7493
Population density: *Anguilla* 7493
Taxonomy: *Anguilla* 7493

Africa, Kenya,

Colour: *Hyperolius viridiflavus* 8441
Ontogeny: *Hyperolius viridiflavus* 8441
Sexual dimorphism: *Hyperolius viridiflavus* 8441

Africa, Kivu L.,

Oxidation Gases 2367

Africa, Laupula R.,

Taxonomy: *Etheria elliptica* 11614

Africa, Malawi, L.,

Demersal fisheries Stock assessment 933

Africa, Malawi L.,

New species: *Pseudotropheus tursio* 5039
New species: *Pseudotropheus U-1* 5040
Taxonomy: *Labidochromis* 5040

Africa, Malawi, Lake Chilwa,

Littoral zone: *Typha domingensis* 7349
Nutrient cycles: *Typha domingensis* 7349
Primary production 7349

Africa, Mwenda R.,

Currents: *Chaoborus* 8521
Larvae: *Chaoborus* 8521
River flow: *Chaoborus* 8521

Africa, Rudolf L.,

Acoustic equipment 9984
Check lists: *Pisces* 9519
Community composition: *Macrophyta* 9742
Community composition: *Pisces* 9742
Deep scattering layers 10028
Echo surveys 10029
Echosounding 9984
Exploratory fishing: *Bagrus bayad* 10037
Feeding: *Sarotherodon niloticus* 9623
Feeding behaviour: *Sarotherodon niloticus* 9623
Fishery biology: *Alestes baremose* 11719
Fishery biology: *Lates longispinus* 11720
Fishery biology: *Lates niloticus* 11718
Fishery surveys 10026, 10028
Fishery surveys: *Alestes baremose* 10027
Freshwater ecology 8930
Freshwater ecology: *Alestes baremose* 11719
Freshwater ecology: *Algae* 9761
Freshwater ecology: *Bagrus bayad* 10037
Freshwater ecology: *Lates longispinus* 11720
Freshwater ecology: *Lates niloticus* 11718
Hydrologic cycle 9084
Hydrology 9084
Lake fisheries 8930
Life cycle: *Bagrus bayad* 10037
Life cycle: *Lates niloticus* 11718
Limnology 9761
Littoral zone: *Macrophyta* 9742
Littoral zone: *Pisces* 9742
Population parameters: *Lates niloticus* 11718
Primary production 9761
Secondary production 9760
Stock assessment 10029
Trawling: *Pisces* 10026
Zooplankton 9760

Africa, Sahelian zone,

Resource management 2266

Africa, Tanganyika L.,

Abnormalities: *Lates mariae* 5038
Colour: *Lates mariae* 5038
Dissolved oxygen 3701
Echosounding Fishery surveys 1004
Echosounding Pelagic fisheries 1005
Echosounding Stock assessment 1005
Ecological distribution: *Pisces* 3701
Electrical conductance 3701
Evolution: *Perissodus eccentricus* 7247
Fishing harbours 2081
Internal waves 3701
New species: *Perissodus eccentricus* 7247
Phytoplankton 3701
Seiches 3701

- Stock assessment Lake fisheries 1004
 Stock assessment Pelagic fisheries 1005
 Taxonomy: *Perissodus eccentricus* 7247
 Turbidity 3701
 Water temperature 3701
Africa, Victoria L.,
 Charts 4720
 Fishermen Labour 1082
 Hydrology 4719, 4721
 Mapping 4720
 Meteorology 4719, 4721
 Taxonomy: *Etheria elliptica* 11614
Africa, West,
 Environmental factors: *Hymenochirus boettgeri* 8446
 Environmental factors: *Xenopus tropicalis* 8446
 Reproduction: *Hymenochirus boettgeri* 8446
 Reproduction: *Xenopus tropicalis* 8446
Africa, Zaire R.,
 Check lists: *Pisces* 9337
 Geographical distribution: *Pisces* 9337
 Habitat: *Pisces* 9337
 Speciation: *Pisces* 9337
Africa, Zambezi R.,
 Environmental effects: *Tilapia rendalli* 13172
 Geographical distribution: *Tilapia rendalli* 13172
African Plate,
 Continental drift 2412
Alaska,
 Nitrogen: *Arctophylla fulva* 7439
 Nitrogen: *Carex aquatilis* 7439
Alaska, Kenai Peninsula,
 Fossils: *Bacillariophyceae* 5768
Alaska, Taku R.,
 New records: *Ambystoma macrodactylum* 9527
Aldabra,
 Geology 5922
 Mineral resources 5922
 Sedimentology 5922
Algeria,
 Electric fishing Fishery surveys: *Anguillidae* 938
 Taxonomy Immunology: *Bulinus* 187
Amazon R.,
 New species: *Pisces* 1520
America,
 Bibliographies: *Rallus longirostris* 10664
 Life cycle: *Rana pretiosa* 6344
 Regional variations: *Pisces* 8322
 Reviews: *Rallus longirostris* 10664
 Vertical distribution: *Rana pretiosa* 6344
America, Amazon R.,
 Biocoenosis: *Bathynella* 6553
 Biotope: *Invertebrata* 6595
 Ecology: *Bathynella* 6553
 Ecology: *Invertebrata* 6595
 New species: *Rhacodiptomus* 6130
 Phytoplankton 6552
 Taxonomy: *Copepoda* 6130
 Water level 6595
America coasts,
 Ecology 10713
 Environmental effects: *Labidocera* 9518
 Geographical distribution 10713
 Geographical distribution: *Labidocera* 9518
 Hydrodynamics 10713
 Morphology: *Labidocera* 9518
America, Erie L.,
 Abundance: *Bacteria* 8998
 Abundance: *Crustacea* 9708
 Air-water interface 7973
 Aquatic plants Tolerance: *Algae* 3039
 Biomass: *Algae* 9707
 Carbon dioxide 7973
 Chlorine 9014
 Chlorophylls 9772
 Community composition: *Algae* 9707
 Community composition: *Pisces* 10039
 Diffusion 9014
 Dissolved oxygen 8997
 Ecosystems 9803
 Fish catch statistics 10039
 Freshwater pollution 9016, 9071, 9510
 Freshwater pollution Sewage 2304
 Iron 9010
 Lenitic currents 12622
 Limnology 8997, 9510
 Manganese 9010
 Mathematical models 9015, 9803
 Mercury 9856
 Microorganisms: *Bacteria* 8998
 New records: *Achtheres micropteri* 8604
 New records: *Illinobdella alba* 8604
 Nitrogen cycle 9013
 Nutrient cycles 9013
 Nutrients (mineral) 8997, 9013, 9070, 9772
 Overfishing 9510
 Oxygen depletion 9012
 Phosphorus 9070
 Phosphorus cycle 9015, 9016, 9802
 Phytoplankton 9707, 9772
 Population density: *Bacteria* 8998
 Population dynamics Freshwater ecology: *Algae* 3039
 Primary production 9772
 Seasonal variations: *Diacyclops bicuspidatus* 9708
 Sediment analysis 9069, 9070, 9071, 9802, 9856
 Temperature effects: *Catostomus commersoni* 6707
 Temperature effects: *Perca flavescens* 6707
 Thermal pollution: *Catostomus commersoni* 6707
 Thermal pollution: *Perca flavescens* 6707
 Water analysis (chemical) 9010
 Water temperature 8997, 9510
 Zooplankton: *Crustacea* 9708
America, Erie L., Point Pelee,
 Organic suspended matter 4188
 Seston 4188
America, Great Lakes,
 Dredging Waste disposal 592
 Dredging Water pollution 592
 Ecosystems Pollution control 886
 Eggs: *Oncorhynchus kisutch* 11789

- Eutrophication 8796
 Fecundity: *Oncorhynchus kisutch* 11789
 Legislation 6728
 Meteorological data 12689
 Overfishing: *Coregonus clupeaformis* 11249
 Parasite control: *Petromyzon marinus* 9958
 Phenols Communities: *Invertebrata* 7759
 Phenols Fishery management: *Invertebrata* 7759, 7762
 Phenols Fishery management: *Osteichthyes* 7760, 7761
 Phenols Fishes: *Osteichthyes* 7760, 7761
 Phenols Larvae 7762
 Phenols Toxicants: *Invertebrata* 7759, 7762
 Phenols Toxicants: *Osteichthyes* 7760, 7761
 Phenols Toxicity: *Invertebrata* 7759, 7762
 Phenols Toxicity: *Osteichthyes* 7760, 7761
 Phenols Toxicity: *Vertebrata* 7762
 Pollution monitoring 6728
 Production (biological): *Coregonus clupeaformis* 11249
 Remote sensing 5878
 Stocking Resource management: *Pisces* 886
 Symbionts: *Catostomus commersoni*
 Enterobacteriaceae 13400
 Symbionts: *Cyprinus carpio* *Enterobacteriaceae* 13400
 Water level 2404
 Wind-driven currents 5878
 Winds 12689
 Yield: *Coregonus clupeaformis* 11249
- America, Michigan L.,**
 Aerosols 8735
 Air pollution 8735
 Air-water interface 8735
 Bioaccumulation: *Salmonidae* 13465
 Bioassays: *Cyclops bicuspidatus thomasi* 13457
 Bioassays: *Keratella cochlearis* 13457
 Chlorine: *Cyclops bicuspidatus thomasi* 13457
 Chlorine: *Keratella cochlearis* 13457
 Coasts 10190
 Community composition 6556
 Community composition: *Crustacea* 4205
 Ecology: *Crustacea* 4205
 Erosion 10190
 Fisheries management 13932
 Fishery economics 13932
 Freshwater pollution 6184, 8735
 Geographical distribution Abundance: *Oligochaeta* 341
 Keys: *Crustacea* 4205
 Lakes 10190
 Lenitic currents 12622
 Lethal limits: *Nais variabilis* 6184
 Mathematical models 12622
 PCB: *Pisces* 4328
 Plutonium 6660, 6661
 Pollution control 3333
 Pollution effects 4342
 Pollution effects: *Cyclops bicuspidatus thomasi* 13457
 Pollution effects: *Keratella cochlearis* 13457
 Pollution monitoring 6631
 Pollution monitoring: *Pisces* 4328
 Predation: *Coregonus clupeaformis* 11249
 Radioactive pollution 6661, 7667
 Radioactive tracers 6631
- Radioactive wastes: *Salmonidae* 13465
 Remote sensing 7640
 Sediment analysis 6631, 7667
 Sedimentation 6661, 10190
 Temperature effects: *Salmonidae* 13465
 Temperature tolerance: *Alosa pseudoharengus* 13182
 Thermal plumes 7640
 Thermal plumes: *Salmonidae* 13465
 Thermal pollution 4342
 Water circulation 4342
 Water levels 10190
 Water quality 3333
 Water quality Resource management 2012
 Zooplankton 6556
 Zooplankton: *Crustacea* 4205
- America, Michigan L., Oak Creek,**
 Chemoreception: *Oncorhynchus kisutch* 10732
 Chemoreception: *Salmo gairdneri* 10733
 Homing behaviour: *Oncorhynchus kisutch* 10731, 10732
 Homing behaviour: *Salmo gairdneri* 10733
 Migrations: *Oncorhynchus kisutch* 10731
 Migrations: *Salmo gairdneri* 10733
 Olfaction: *Oncorhynchus kisutch* 10732
 Olfaction: *Salmo gairdneri* 10733
- America, Ontario L.,**
 Automated recording 5794
 Buoys 5794
 Currents 12588, 12628, 12633
 Dispersion 12633
 Drifters 12633
 Energy flow 12585
 Eutrophication Primary production: *Melosira binderana* 1843
 Exploratory fishing Economic analysis 3626
 Growth rate: *Roccus americanus* 13230
 Lakes 12633
 Length-weight relationships: *Roccus americanus* 13230
 Mathematical models 12583
 Numerical analysis: *Roccus americanus* 13230
 Phosphorus Sediment analysis 589
 Phosphorus Sediment distribution 589
 Phytoplankton Eutrophication 1887
 Phytoplankton Mathematical models 1887
 Phytoplankton Nutrients (mineral) 1887
 Phytoplankton Water quality 1886, 1887
 Thermal pollution Temperature effects: *Pisces* 1994
 Thermocline 12628
 Turbulence 12585, 12642
 Upwelling 12628
 Water circulation 12583
 Water temperature 12583, 12585, 12588, 12642
- America, St. Lawrence,**
 Industrial wastes 9850
 Mathematical models 9850
 Thermal plumes 9850
- America, Superior L.,**
 Aerial photography 12629
 Currents 12629
 Ecology Fishing effort 3046

New species Geographical distribution: *Phallodrilus hallae* 159

Population dynamics: *Salvelinus namaycush* 3046

America, Susquehanna R.,

Nutrients (mineral) Rivers 2014

Pollution control Nutrients (mineral) 2014

AN,

Abundance: *Ostracoda* 12061

Abyssal zone: *Storhyngura magnifica* 10478

Amino acids: *Bacteria* 11450

Catch statistics: *Balaenopteridae* 13834

Chemical pollutants 5460

Continental slope 11403

Cruises Oceanographic data: *Isopoda* 1436

Diffusion 12599

Dissolved oxygen 5401

Eddies 12590

Eggs: *Scomberesox saurus* 9719

Electron microscopy: *Carinariidae* 4898

Fish catch statistics: *Mallotus villosus* 2166

Fish catch statistics: *Thunnus alalunga* 13790

Fisheries data 1096

Fisheries regulations 7778, 7907, 7908, 7911, 7912, 7913

Fisheries resources New species: *Pisces* 1027

Fishery management 6950, 7049, 7778, 7905, 7907, 7908, 7909, 7910, 7912, 7922

Fishery management: *Thunnus alalunga* 3473

Geochemistry 8025

Geographical distribution: *Balaenopteridae* 13834

Geographical distribution: *Clausocalanus* 12058

Geographical distribution: *Ostracoda* 12061

Geographical distribution: *Pagophilus groenlandicus* 13069

Geographical distribution: *Scomberesox saurus* 9719

Geographical distribution: *Tintinnida* 12060

Geography 7049

Heavy metals 3242, 5460

International exchange 7909, 7913

International organizations 1096

Introduced species Acclimation: *Oncorhynchus* 431

Iron 11320

Keys: *Ctenophora* 4803

Larvae: *Scomberesox saurus* 9719

Life history: *Ctenophora* 6017

Marine geology 8025

Marine pollution 3242

Mathematical models 9000, 12599

Mercury: *Pisces* 5476

Meteorological data 9055

Meteorology 9055

Morphology: *Ctenophora* 4803

Morphology (organisms): *Carinariidae* 4898

Mouth parts: *Orchomene* 8269

New species: *Storhyngura magnifica* 10478

New species Abyssal zone: *Abyssotrema pritchardae* 1355

Oceanographic data 1146

Oceanography 12590

Photosynthetic pigments 12064

Phytoplankton 12064

Plankton collecting devices: *Clausocalanus* 12058

Plankton collecting devices: *Tintinnida* 12060

Pollution effects 7658

Primary production 5401, 7658

Quota regulations: *Mallotus villosus* 2166

Remote sensing 5401

Reproduction: *Clausocalanus* 12058

Reproduction: *Ostracoda* 12061

Research programmes 12590

Salinity 12599

Sea law 6950, 7049, 7778, 7905, 7907, 7908, 7909, 7910, 7911, 7912, 7913, 7922

Seasonal variations: *Clausocalanus* 12058

Seasonal variations: *Ostracoda* 12061

Seasonal variations: *Tintinnida* 12060

Sediment analysis 5476, 8025

Statistical analysis Air temperature 90

Statistical analysis Atmospheric pressure 90

Statistical analysis Water temperature 90

Stock assessment: *Balaenopteridae* 13834

Stock assessment: *Mallotus villosus* 2166

Stock assessment: *Pagophilus groenlandicus* 13069

Stock assessment: *Thunnus alalunga* 3472, 3473

Stock identification: *Balaenopteridae* 13834

Submarine features 11403

Taxonomy: *Ctenophora* 4803

Taxonomy: *Orchomene* 8269

Taxonomy New species: *Cephalaspidea* 1402

Temperature 11377, 12064

Territorial waters 7910, 7911

Thermocline 9000

Upwelling 11377

Vertical distribution 12064

Vertical distribution: *Scomberesox saurus* 9719

Water circulation 12590

Water temperature 9000

Water temperature Predictions 59

Wind-driven currents 11377, 11393

Yield: *Thunnus alalunga* 3472

Yield predictions Environmental factors: *Pisces* 59

AN, Greenland,

Biological collections: *Trematoda* 7147

Diseases: *Gadus morhua* 13290

Diseases: *Terranova decipiens* 13290

Indicator organisms: *Terranova decipiens* 13290

New species: *Squalonchotyle berlandi* 7147

New species: *Stephanostomum davisii* 7147

Population structure: *Gadus morhua* 13290, 13290

Processing fishery products: *Pandalus borealis* 5668

Shellfish fisheries: *Pandalus borealis* 5668

AN, Mid-Atlantic Ridge,

Mineralogy 12698

Sedimentation 12698

Andaman Isl.,

Geographical distribution New records: *Pisces* 4088

Morphology (organisms): *Macrobrachium* 2680

New records: *Macrobrachium* 2680

ANE,

Abnormalities Anatomy: *Clausocalanus* 1851

Abundance: *Lepas anatifera* 12059

Abundance: *Pteropoda* 2902

- Aerobic bacteria 7382
 Age composition: *Katsuwonus pelamis* 12421
 Amino acids Water Analysis (chemical) 74
 Annual variations 10207
 Benthos 3088
 Bibliographies: *Ctenophora* 6017
 Biochemical cycle: *Algae* 12135
 Biology: *Pollachius virens* 12411
 Calcium: *Coccolithophorida* 5906
 Catch statistics 6896
 Climate 1217, 10207
 Community composition: *Algae* 13362
 Coring 5906
 Cruises 9049
 Eddies 12589
 Fish catch statistics 980, 3584, 3592, 7844
 Fish catch statistics: *Pollachius virens* 6858
 Fish catch statistics: *Thunnus alalunga* 13795
 Fish larvae: *Anguilla* 13343
 Fisheries 9404
 Fisheries: *Pollachius virens* 12411
 Fisheries data: *Gadus morhua* 6873
 Fisheries data: *Melanogrammus aeglefinus* 6873
 Fisheries regulations 9404
 Fisheries regulations International exchange 1081
 Fisheries resources 12526
 Fisheries resources: *Micromesistius poutassou* 8858
 Fishery biology: *Nephrops* 10051
 Fishery biology: *Nephrops norvegicus* 1422
 Fishery management 7906
 Fishery management: *Nephrops* 10051
 Fishery surveys 3459
 Fishery surveys: *Clupea harengus* 3430
 Fishery surveys: *Gadus morhua* 10032
 Fishery surveys: *Mallotus villosus* 10032
 Fishery surveys: *Melanogrammus aeglefinus* 10032
 Fishery surveys: *Sebastes* 10032
 Fishing mortality: *Thunnus alalunga* 13795
 Gear selectivity: *Gadidae* 6878
 Geographical distribution: *Algae* 13362
 Geographical distribution: *Anguilla vulgaris* 8586
 Geographical distribution: *Cetorhinus maximus* 8498
 Geographical distribution: *Ctenophora* 6017
 Geographical distribution: *Lepas anatifera* 12059
 Geographical distribution: *Photostylus pycnopterus* 6233, 9543
 Geographical distribution Seasonal variations: *Clausocalanus* 1850
 Geographical distribution Seasonal variations: *Tintinnida* 1853
 Growth: *Thunnus alalunga* 13216
 Ice 10207
 International organizations 9404
 Keys: *Schizoporella* 12800
 Landing statistics: *Crangon crangon* 6896
 Larvae Geographical distribution: *Lepas* 1852
 Length-weight relationships: *Thunnus* 12024
 Life cycle: *Nephrops norvegicus* 1422
 Marine ecology: *Cetacea* 13117
 Migrations: *Anguilla* 13343
 Migrations: *Anguilla anguilla* 13157
 Migrations: *Phocoena phocoena* 13156
 Morphology Geographical distribution: *Carinaria lamarcki* 2906
 Morphology (organisms): *Copepoda* 3950
 Morphology (organisms): *Paraxenomystax* 7255
 New species: *Copepoda* 3950
 New species: *Cyclothone pseudoacclinicens* 9379
 Oceanography 12589
 Organic suspended matter Amino acids 74
 Parasites New species: *Gonocerca macrouri* *Macrourus rupestris* 1803
 Parasites New species: *Hemiusurus macrouri* *Macrourus rupestris* 1803
 Photosynthesis: *Algae* 13362
 Phytoplankton 13362
 Plankton collecting devices 12059
 Pollution monitoring 7661
 Population structure Geographical distribution: *Ostracoda* 1854
 Population studies: *Nephrops norvegicus* 1422
 Quota regulations: *Gadus morhua* 9405
 Research programmes 4599, 12589
 Sea law 7906
 Seasonal variations: *Anguilla* 13343
 Sediment analysis 12135
 Sedimentation 5906
 Shellfish catch statistics 7844
 Size distribution: *Katsuwonus pelamis* 12421
 Size distribution: *Thunnus alalunga* 3452
 Stock assessment: *Nephrops* 10051
 Stock assessment: *Pisces* 2271
 Tagging: *Anguilla anguilla* 13157
 Taxonomy: *Cyclothone* 9379
 Taxonomy: *Paraxenomystax* 7255
 Vertical distribution: *Gonostomatidae* 10542
 Vertical distribution: *Macrorhamphosidae* 10542
 Vertical distribution: *Mycetophidae* 10542
 Whaling: *Cetacea* 9970
 Whaling statistics: *Phocoena phocoena* 13156
 Winds 4685
 Yield: *Thunnus alalunga* 3452
- ANE, Atlantic,**
 Echo surveys 12562
 Echosounding 12562
- ANE, Baltic,**
 Algal blooms 9715, 9748, 9749
 Algal blooms: *Aphanizomenon flos-aquae* 9755
 Algal blooms: *Nodularia spumigena* 9755
 Atomic absorption spectroscopy 12178
 Benthos 9726, 9727, 11916
 Benthos: *Abra alba* 9783
 Bibliographies 6621
 Bioaccumulation: *Myoxocephalus quadricornis* 5492
 Biochemical cycle 7605
 Biodegradation: *Bacteria* 8715
 Biodegradation: *Flavobacterium* 13415
 Carbon 7605, 9062
 Catch statistics 7893
 Catchability: *Gadus morhua* 7005
 Chemical oceanography 8927
 Coastal fisheries 12425, 12499, 13807

- Commercial species: *Teleostei* 13263
 Community composition: *Diatomaceae* 9733
 Community composition: *Fucus* 12109, 12110
 Community composition: *Invertebrata* 9726
 Currents 9045
 Demersal fisheries: *Abra alba* 9783
 Diseases: *Pisces* 6532
 Diseases: *Vibrio parahaemolyticus* 6532
 Dissolved oxygen 9727, 9728, 12401
 Diurnal rhythms: *Anguilla anguilla* 13158
 Ecology 3167
 Ecosystems: *Cladophora* 9739
 Ecosystems: *Fucus* 12109, 12110
 Energy flow: *Cladophora* 9739
 Environmental effects 19831
 Eutrophication 3172, 8662, 13415
 Eutrophication: *Cyanophyceae* 9755
 Evolution: *Salmo salar* 9681
 Exploratory fishing 12401
 Exploratory fishing: *Gadus morhua* 12400
 Feeding: *Gadus morhua* 9538
 Fish catch statistics 12424, 12425
 Fish catch statistics: *Anguilla anguilla* 13828
 Fish catch statistics: *Pleuronectoidea* 4492
 Fisheries 7893
 Fisheries regulations 4556
 Fishery economics 12425, 12499
 Fishery industry 7893
 Fishing mortality: *Salmo salar* 10058
 Food chains 5492
 Food chains: *Abra alba* 9783
 Food chains: *Gasterosteus aculeatus* 9634
 Food chains: *Pisces* 5244
 Food composition: *Teleostei* 13263
 Food organisms: *Teleostei* 13263
 Geographical distribution: *Corophium multisetosum* 6407
 Geographical distribution: *Harpacticoida* 9682
 Geographical distribution: *Mesidotea entomon* 9538
 Growth rate: *Gadus morhua* 11965
 Harmonic analysis 9045
 Heavy metals 12178
 Hermaphrodites: *Gadus morhua* 5052
 Hydrodynamics 2405
 Hydrology 2440
 Indicator organisms 9728
 Indicator organisms: *Crustacea* 13415
 Irradiation Measuring devices 2337
 Light penetration 9751
 Marine ecology 8935
 Marine environment Pollution 3167
 Marine pollution 6621, 7646, 13415
 Mercury: *Myoxocephalus quadricornis* 5492
 Microbial contamination: *Pisces* 3553
 Migrations: *Anguilla anguilla* 13158, 13159
 Morphology (organisms) Geographical distribution: *Turbellaria* 152
 Mortality causes: *Gadus morhua* 5168
 New records: *Chaetogammarus storerensis* 6407
 New records: *Harpacticoida* 9682
 New species: *Palaeogammarus danicus* 2694
 New species: *Polysiphonia kieliana* 4765
 New species: *Psammocrastostomum turbanelloides* 152
 Nitrogen 7605, 9062
 Nitrogen cycle 9715
 Nutrient cycles 9715
 Oil pollution 4271, 12185
 Organic suspended matter 5921, 9062
 Otoliths: *Gadus morhua* 11965
 Overfishing: *Anguilla anguilla* 13828
 Oxygen consumption: *Mollusca* 11916
 Oxygen depletion 7005
 Parasitology: *Bothriocephalus scorpii* 12006
 Parasitology: *Contracaecum aduncum* 12006
 Parasitology: *Cucullanus heterochrous* 12006
 Parasitology: *Echinorhynchus gadi* 12006
 Parasitology: *Gadus morhua* 12006
 Parasitology: *Myoxocephalus scorpius* 12006
 Parasitology: *Platichthys flesus* 12006
 Parasitology: *Podocotyle atomon* 12006
 Parasitology: *Zoarces viviparus* 12006
 Pesticides 3172, 11102
 Phosphorus 7605, 9062
 Physical oceanography 8927
 Phytoplankton 9715, 9748, 9749, 9754
 Pollution 3167
 Pollution effects 3172, 8662, 9728
 Pollution surveys 8715
 Polymorphism: *Salmo salar* 9681
 Population density: *Invertebrata* 9726
 Population dynamics 9728
 Population dynamics: *Anguilla anguilla* 13828
 Population dynamics: *Cladophora* 9739
 Population dynamics: *Fucus* 12110
 Population parameters: *Salmo salar* 10058
 Predation: *Mysidacea* 5492
 Primary production 9748, 9749, 9751, 9752, 9754, 9758
 Production (biological) 9758
 Production (biological): *Abra alba* 9783
 Production (biological): *Salmo salar* 10058
 Productivity 8662
 Research programmes 8927, 12401
 Research programmes: *Gadus morhua* 6804
 Sea level 1200, 2405
 Seasonal variations: *Fucus* 12109
 Sediment analysis: *Diatomaceae* 9733
 Sedimentation 5921, 9062
 Sexual maturity: *Gadus morhua* 11965
 Simulation: *Cladophora* 9739
 Size distribution: *Mesidotea entomon* 9538
 Skeleton: *Salmo salar* 9681
 Slicks 4271
 Stock assessment: *Gadus morhua* 12400
 Stock assessment: *Salmo salar* 10058
 Tagging: *Anguilla anguilla* 13158
 Tagging: *Gadus morhua* 5168
 Temperature effects: *Clupea harengus* 9395
 Tumours: *Anguilla vulgaris* 8586
 Upwelling 9044
 Viruses: *Anguilla vulgaris* 8586
 Water analysis (chemical) 12185
 Water circulation 9044

Water density Currents 1190
 Water mixing 7005
 Wind-driven currents 9044
 Zooplankton 9395, 9758, 19831
 Zooplankton: *Harpacticoida* 9682

ANE, Baltic, Arkona Sea,
 Dissolved oxygen 9020

ANE, Baltic, Bornholm Strait,
 Deep currents 8000

ANE, Baltic, Darsser Boddenkette,
 Eutrophication 8628
 Zooplankton 8628

ANE, Baltic, Fehmarnbelt,
 Currents 12677

ANE, Baltic, Gdansk Deep,
 Phytoplankton 9683
 Primary production 9750

ANE, Baltic, Gotland Sea,
 Dissolved oxygen 9020

ANE, Baltic, Kiel Bight,
 Benthos 5360

ANE, Baltic, Kiel Fjord,
 Cage culture: *Salmonidae* 5591
 Hosts: *Gadus morhua* 5272

ANE, Baltic, Luebeck Bay,
 Benthos: *Invertebrata* 5363
 Biological collections: *Invertebrata* 5363
 Currents 10137
 Equipment 10137
 Plankton collecting devices 10137
 Underwater research vessels 10137

ANE, Baltic, Puck Bay,
 Community composition Seasonal variations:
Algae 3067

ANE, Baltic Sea,
 Bioaccumulation 6656
 Caesium 6655
 Chemical composition: *Gadus morhua* 5092
 Growth rate Pressure effects: *Delesseria sanguinea* 1711
 Marine pollution 6656
 Metabolism: *Gadus morhua* 5092
 Plutonium 6656
 Strontium 6655

ANE, Baltic Sea, Schlei Fjord,
 Benthos 3087
 Check lists Ecology 3087
 Parasites: *Acartia tonsa* *Myoschiston centropagidarum* 3013
 Parasites: *Eurytemora affinis* *Myoschiston centropagidarum* 3013
 Population dynamics: *Idotea chelipes* 3041

ANE, Belgium,
 Resource management 5873

ANE, Belgium, Ostend,
 Interstitial environment 5913
 Nitrates: *Bacteria* 5913

Nitrogen cycle: *Bacteria* 5913
 Sedimentology 5913
 Water analysis (chemical) 5913

ANE, Biscay Bay,
 Geophysics 4657
 Surveys 4657

ANE, Bothnia Gulf,
 Benthos 9899
 Pollution effects 9899
 Sulphur 9899

ANE, Bristol Channel,
 Ecosystems 3156
 Heavy metals Pollution effects 3258
 Methodology 4289
 Pollution control 4289
 Pollution monitoring 4289
 Research programmes 3156
 Sediment analysis 2435
 Sediment analysis Heavy metals 3258
 Turbidity 4654, 4656

ANE, Bristol Channel, Severn Estuary,
 Anadromous migrations 11133
 Dams 10189, 10201, 10209, 11007, 11129, 11130, 11131, 11132, 11133, 11134
 Dams: *Aves* 11131
 Estuaries 11129, 11131, 11134
 Estuaries: *Aves* 11132
 Estuarine circulation 10189
 Estuarine fisheries 11133
 Flood control 10201
 Intertidal environment 11131
 Pollutants 10189
 Sediment transport 10209
 Water mixing 11130
 Water pollution 11007

ANE, British Isles,
 Beaches 11294, 11295
 Bibliographies: *Algae* 5141
 Biogeography: *Algae* 5141
 Check lists: *Halaeiidae* 3864
 Check lists: *Lafoeidae* 3864
 Chemical composition: *Littorina* 9266
 Commercial fishing 9965
 Cruises 8995, 11294, 11295
 Diseases: *Anguilla anguilla* 9655
 Diseases: *Vibrio* 9655
 Diving 8995
 Echo surveys: *Micromesistius poutassou* 6872
 Echosounding 11294, 11295
 Ecology: *Algae* 4114
 Energy budgets: *Littorina* 9266
 Environmental effects: *Algae* 4114
 Fats: *Cirripedia* 9304
 Fisheries statistics 9965
 Fishery economics 9965, 10088
 Fishery surveys: *Micromesistius poutassou* 6872
 Fishing effort: *Gadus merlangus* 8855
 Geographical distribution: *Algae* 4114
 Geographical distribution: *Cetacea* 9536, 9537
 Geographical distribution: *Dinoflagellata* 5155

Geographical distribution: *Pinnipedia* 13070

History: *Cetacea* 9537

Horizontal distribution: *Spirorbidae* 9517

Indicator organisms: *Dinoflagellata* 5155

Larvae: *Littorina* 9266

Life cycle: *Endeis laevis* 10395

Marine ecology: *Halichoerus grypus* 13070

Marine ecology: *Phoca vitulina* 13070

Marine pollution 7617

Methodology 6974

Morphology (organisms): *Limapontiidae* 2616

Mortality rate: *Cetacea* 9537

New records: *Phaeophila tenuis* 1621

New species: *Acrorhynchides styliferus* 1366

New species: *Arenicolites variabilis* 2569

New species: *Doto* 11609

New species: *Schottera nicaeensis* 1298

Nitrogen cycle: *Cyanophyceae* 9782

Oceanographic equipment 8995

Oogenesis: *Endeis laevis* 10395

Palaeontology 2569

Palaeontology: *Dinoflagellata* 4801

Physiology: *Chlorophyta* 2526

Pollution effects: *Littorina neritoides* 3309

Pollution effects: *Monodonta lineata* 3309

Polymorphism: *Cirripedia* 9304

Radioactive pollution 5482

Salt marshes: *Cyanophyceae* 9782

Seaweeds 2526

Sedimentology 4801

Stock assessment: *Gadus merlangus* 8855

Stock assessment: *Micromesistius poutassou* 6872

Stock assessment: *Pinnipedia* 13070

Suspended matter 6974

Taxonomy: *Algae* 11480

Taxonomy: *Doto* 11609

Taxonomy: *Phylloporaceae* 1298

Taxonomy Keys: *Phaeophyta* 135

Water analysis (biological) 6974

Water analysis (physical) 5482

ANE, British Isles, Ayr.,

Pollution effects: *Tellina tenuis* 3310

Thermal pollution: *Tellina tenuis* 3310

ANE, British Isles, Cornasall,

Geographical distribution: *Hippolyte longirostris* 2898

Geographical distribution: *Hippolyte varians* 2898

ANE, British Isles, Cornwall,

Benthos 12403

Benthos: *Sabellaria alveolata* 7494

Demersal fisheries 12403

Fishery surveys 12403

Geographical distribution: *Charonia lampas* 11592

New records: *Atagema gibba* 2903

New records: *Charonia lampas* 11592

Ocean dumping 12403

Pollution effects: *Pisces* 12403

Pollution surveys 7609

Population dynamics: *Sabellaria alveolata* 7494

ANE, British Isles, Cumbria,

Plutonium 6658

Radioactive pollution 6658

ANE, British Isles, Devon,

Environmental effects: *Nucella lapillus* 6095

Enzymes: *Mytilus edulis* 9253

Feeding behaviour: *Spondyliosoma cantharus* 11981

Gametes: *Mytilus edulis* 9253

Geographical distribution: *Mytilicola intestinalis* 6519

Growth rate Spawning: *Ciliata septentrionalis* 266

Morphology (organisms): *Nucella lapillus* 6095

New records: *Aplysia parvula* 2904

Parasites: *Mytilus* 6519

Seasonal variations: *Mytilus edulis* 9253

Shells: *Nucella lapillus* 6095

Stomach contents: *Spondyliosoma cantharus* 11981

Temperature effects: *Mytilus edulis* 9253

ANE, British Isles, Devon, Exe R.,

Research programmes 6981

ANE, British Isles, Dorset, Portland,

Colour: *Trapania maculata* 11607

Geographical distribution: *Trapania maculata* 11607

New records: *Trapania maculata* 11607

ANE, British Isles, Durham,

Pollution effects: *Algae* 6697

ANE, British Isles, East coast,

Physical oceanography 4653

Surveys 4653

ANE, British Isles, East Lothian,

Estuaries 12166

Oxygen depletion 12166

Sewage effluents 12166

ANE, British Isles, England,

Red tides Poisons (biological): *Gonyaulax* 746

Red tides Poisons (biological): *Mya arenaria* 747

Shellfish culture: *Ostreidae* 11190

Shellfish fisheries: *Ostreidae* 11190

ANE, British Isles, England, Cornwall, Rock,

Population genetics: *Mytilus edulis* 10905

Population genetics: *Mytilus galloprovincialis* 10905

Subpopulation: *Mytilus edulis* 10905

Subpopulation: *Mytilus galloprovincialis* 10905

ANE, British Isles, Essex,

Geographical distribution: *Chaparrudo flavescens* 6415

New records: *Gobius paganellus* 6415

ANE, British Isles, Fife,

Estuaries 12166

Oxygen depletion 12166

Sewage effluents 12166

ANE, British Isles, Firth of Forth,

Stock assessment: *Nephrops* 10052

ANE, British Isles, Hampshire,

New records Introduced species: *Janua brasiliensis* 1663

New records Introduced species: *Pileolaria*

roseipigmentata 1663

ANE, British Isles, Hampshire, North Hayling,

Abundance 9816

Symbionts: *Spongiae* 9816

- ANE, British Isles, Humber Estuary,
Suspended matter: *Bacteria* 12126
- ANE, British Isles, Liverpool Bay,
Benthos Community composition 458
Community composition: *Mollusca* 11594
Diversity index: *Mollusca* 11594
Estuaries: *Escherichia coli* 11350
Seasonal variations 11350
Sediment transport: *Mollusca* 11594
Shells: *Mollusca* 11594
Water analysis (chemical) 11350
Water quality 11350
- ANE, British Isles, Lundy Is.,
Bioaccumulation Heavy metals 586
Metals Sediment analysis 586
- ANE, British Isles, Lyme Bay,
Cruises 11293
Turbulence 11293
- ANE, British Isles, Menai Straits,
Shellfish culture: *Mytilus edulis* 13741
Yield: *Mytilus edulis* 13741
- ANE, British Isles, Musselburgh,
Population structure: *Spisula solida* 3028
Population structure: *Turritella communis* 3028
- ANE, British Isles, Norfolk,
Fishery management: *Decapoda* 6861
Horizontal distribution Salt marshes: *Pemphigus trehernei* 2910
Shellfish catch statistics 6861
Stock assessment: *Decapoda* 6861
- ANE, British Isles, Northumberland,
Check lists: *Algae* 8091
- ANE, British Isles, Northern Ireland,
Life cycle: *Mytilus edulis* 7186
Spawning seasons: *Mytilus edulis* 7186
- ANE, British Isles, Northern Ireland, Foyle Estuary,
Water quality Dissolved oxygen 699
Water quality Pollution monitoring 699
- ANE, British Isles, Northumberland,
Asexual reproduction: *Dodecaceria caulleryi* 11579
Bioaccumulation: *Crustacea* 8732
Bioaccumulation: *Pisces* 8732
Geographical distribution Abundance: *Ectoprocta* 1661
- ANE, British Isles, Pembroke,
Community composition Sublittoral zone 462
- ANE, British Isles, Pembrokeshire,
Intertidal environment Diurnal rhythm 1164
- ANE, British Isles, Pembrokeshire,
Geographical distribution: *Nudibranchia* 1403
New species: *Favorinus blianus* 1403
- ANE, British Isles, Scilly Is.,
Check lists: *Bryozoa* 12800
New species: *Bryozoa* 12800
Surveys: *Bryozoa* 12800
- ANE, British Isles, Scotland,
Autecology: *Nephrops norvegicus* 9553
Behaviour: *Nephrops norvegicus* 9553
Benthos 7546, 9874, 12102
Catch statistics: *Clupea harengus* 5643
Catch statistics: *Salmo gairdneri* 5176
Circadian rhythm: *Nephrops norvegicus* 9553
Ecology 8669
Energy flow 7546
Energy flow Benthos 7546
Fisheries data: *Melanogrammus* 5642
Fisheries resources: *Clupea harengus* 5643
Fisheries resources: *Melanogrammus* 5642
Industrial wastes 9874
Intertidal environment 12102
Littoral zone 8669
Marine aquaculture 12339
Migrations: *Clupea harengus* 5290
Migrations: *Salmo gairdneri* 5176
Parasites: *Pleuronectes platessa* 9665
Pollution effects 9874
Stock identification: *Clupea harengus* 5290
Tagging: *Clupea harengus* 5290
Water quality 12339
- ANE, British Isles, Scotland, Crail,
New records: *Stomatolepas elegans* 13146
- ANE, British Isles, Scotland, Firth of Forth,
Intertidal environment: *Invertebrata* 9892
Pollution effects: *Aves* 9892
Pollution effects: *Invertebrata* 9892
Predation: *Aves* 9892
- ANE, British Isles, Scotland, Kirkcubrightshire,
New records: *Stomatolepas elegans* 13146
- ANE, British Isles, Scotland, Loch Etive,
Breeding: *Pareuchaeta norvegica* 12909
Chemical composition: *Pareuchaeta norvegica* 12909
- ANE, British Isles, Scotland, Shetland Isles,
Fisheries statistics: *Clupea harengus* 5643
- ANE, British Isles, Scotland, Tay Basin,
Correlation analysis: *Bacteria* 13411
Culture media: *Salmonella* 13411
Environmental factors: *Bacteria* 13411
Sewage effluents 13411
Water quality: *Bacteria* 13411
- ANE, British Isles, Severn Estuary,
Chemical composition: *Bacillariophyceae* 12233
Feeding: *Platichthys flesus* 13255
Feeding behaviour: *Platichthys flesus* 13255
Food availability: *Platichthys flesus* 13255
Food organisms: *Platichthys flesus* 13255
Geographical distribution: *Bacillariophyceae* 12233
Marine pollution: *Bacillariophyceae* 12233
Oils: *Bacillariophyceae* 12233
Turbidity 4654, 4656
- ANE, British Isles, Shetland,
Marine engineering 11135
Offshore technology 11135
Oil pollution 11135
- ANE, British Isles, Southampton Water,
Degradation 3347
Oxygen consumption 3347
Seasonal variations 3347
Water analysis (chemical) 3347

- ANE, British Isles, Suffolk,**
 Current measurements 12561
 Drifters 12561
 Sonic tags 12561
- ANE, British Isles, Sussex,**
 New species: *Edwardsia ivelli* 2556
- ANE, British Isles, Swansea Bay,**
 Beaches 6732
 Ecology 6735
 Microbial contamination 6736
 Pollution surveys 3183, 6730, 6731, 6732, 6735, 6736
 Sediment transport 2434
 Sewage 6730, 6731, 6736
- ANE, British Isles, Tamar Estuary,**
 Cilia: *Pavlova calceolata* 5976
 New species: *Pavlova calceolata* 5976
 Taxonomy: *Pavlova calceolata* 5976
- ANE, British Isles, Tay R.,**
 Coriolis force 7999
 Sediment analysis 8041
 Sedimentation 8042, 8043, 9029
 Tidal currents 8043, 9029
 Tides 7999
 Water circulation 7999, 8042
 Water level 7999
- ANE, British Isles, Thames Estuary,**
 Dissolved materials 6652
 Water analysis (chemical) 6652
- ANE, British Isles, The Solent,**
 Epiphytes: *Sargassum muticum* 334
 Horizontal distribution Seasonal variations: *Sargassum muticum* 334
- ANE, British Isles, Wales,**
 Shellfish culture: *Ostreidae* 11190
 Shellfish fisheries: *Ostreidae* 11190
- ANE, British Isles, Wales, Anglesey,**
 Electrophoresis: *Chlamys opercularis* 4935
 Population genetics: *Chlamys opercularis* 4935
- ANE, British Isles, Yorkshire,**
 Fisheries regulations: *Cancer pagurus* 10086
 Fisheries statistics: *Cancer pagurus* 10086
- ANE, British Isles, Essex,**
 Community composition Intertidal environment 461
- ANE, Cabot Strait,**
 Water circulation 4681
 Water mixing 4681
 Water temperature 4681
- ANE, Chesapeake Bay,**
 Cultures: *Conopeum tenuissimum* 9627
 Food organisms: *Conopeum tenuissimum* 9627
 Growth rate: *Conopeum tenuissimum* 9627
 Nutrition: *Conopeum tenuissimum* 9627
- ANE, Denmark,**
 Biomass: *Zostera marina* 6589
 Bottom topography 9061
 Check lists: *Ascomycetes* 4744
 Currents 9061
 Food composition: *Phocaena phocaena* 2993
- Fouling organisms Seasonal variations: *Algae* 2046
 New species: *Paraphysomonas sideriophora* 1297
 Processing fishery products: *Pandalus borealis* 5668
 Production (biological): *Zostera marina* 6589
 Reproduction: *Ascomycetes* 4744
 Sedimentation 9061
 Shellfish fisheries: *Pandalus borealis* 5668
 Stomach contents: *Phocaena phocaena* 2993
- ANE, Denmark, Bornholm I.,**
 Geographical distribution: *Stephanosphaera pluvialis* 12735
 Habitat: *Stephanosphaera pluvialis* 12735
 New records: *Stephanosphaera pluvialis* 12735
- ANE, Denmark, Isefjord,**
 New species: *Acanthoeceae* 7107
 Taxonomy: *Acanthoeceae* 7107
 Ultrastructure: *Acanthoeceae* 7107
- ANE, Eire,**
 Dispersants: *Algae* 3305
 Gravity anomalies 2422
 Light effects Caves: *Plumaria elegans* 1675
 Mapping 2422
 Oil spills: *Algae* 3305
 Pollution effects: *Algae* 3305
 Pollution monitoring 6948
 Size distribution Stomach contents: *Raja clavata* 10877
 Tides 9049
- ANE, Eire, Co.Galway,**
 Biology: *Thorogobius ephippiatus* 7237
 Growth: *Thorogobius ephippiatus* 7237
 Meristic counts: *Thorogobius ephippiatus* 7237
 Reproduction: *Thorogobius ephippiatus* 7237
- ANE, Eire, Donegal,**
 Stock assessment Fishing mortality: *Clupea harengus* 1026
- ANE, Eire, Galway Bay,**
 Community composition: *Pisces* 6562
 Fish larvae 6562
 Geographical distribution: *Chaetognatha* 7539
 Habitat: *Fungi* 8082
 Juveniles: *Pisces* 6562
 Life cycle: *Sagitta elegans* 6561
 Life cycle: *Sagitta setosa* 6561
 New records: *Fungi* 8082
 Oceanographic data 8082
 Plankton: *Chaetognatha* 7539
 Seasonal variations: *Chaetognatha* 7539
- ANE, English Channel,**
 Fecundity: *Pleuronectes platessa* 9559
 Ichthyoplankton: *Pleuronectes platessa* 9559
 New species: *Tripterygion atlanticus* 1507
- ANE, English channel,**
 Oil pollution 11010
- ANE, English Channel,**
 Oil spills 11114
 Pollution control 11114
 Red tides 4196
 Spawning: *Pleuronectes platessa* 9559
 Spawning migrations: *Pleuronectes platessa* 9559

Thermocline Phytoplankton 81
 Thermocline Seasonal variations 81
 Water mixing 4196
 Water mixing Mathematical models 82
 Water temperature Mathematical models 82

ANE, Europe,
 Chromosomes: *Jaera ischiosetosa* 8271
 Genetics: *Jaera ischiosetosa* 8271
 Introduced species: *Macrocystis pyrifera* 13124
 Oil pollution: *Aves* 3298
 Population genetics: *Jaera ischiosetosa* 8271

ANE, Faroe Is.,
 Catch statistics: *Gadidae* 3467
 Stock assessment: *Gadidae* 3467
 Stock assessment: *Scorpaenidae* 3467

ANE, Finland,
 Benthos 4212
 Biomass: *Pisces* 10057
 Census: *Pisces* 10035
 Community composition 4212
 Diving 10035
 Fishery surveys 10035
 Halocline 5867
 Morphology: *Petroderma maculiforme* 9572
 Phytoplankton 6581
 Primary production 5867, 6581
 Primary production Growth regulators: *Chlorella* 9756
 Primary production Growth regulators: *Oscillatoria agardhii* 9756
 Salinity 5867
 Stock assessment: *Pisces* 10057

ANE, Finland, Aaland archipelago,
 Environmental effects: *Algae* 9938
 Environmental effects: *Cladophora* 9939
 Water waves: *Algae* 9938
 Water waves: *Cladophora* 9939

ANE, Finland Gulf,
 Biomass: *Algae* 4204
 Fisheries data Computer applications: *Clupea harengus* 984
 Nutrients (mineral) 4204
 Phytoplankton 4204
 Potential yield Fisheries data: *Clupea harengus* 984
 Standardization Fishing effort: *Clupea harengus* 984
 Taxonomy: *Skeletonema* 10315

ANE, Finland, Helsinki,
 Benthos: *Algae* 9900
 Horizontal distribution: *Algae* 9900
 Plankton 9686
 Pollution effects 9686
 Pollution monitoring 9900
 Sewage 9900

ANE, Finland, Oulujoki Estuary,
 Food consumption: *Esox lucius* 13321
 Food conversion: *Esox lucius* 13321
 Production (biological): *Esox lucius* 13321
 Sex ratios: *Esox lucius* 13321
 Tagging: *Esox lucius* 13321

ANE, Finland, Ruissalo I.,
 Benthos: *Algae* 9729
 Community composition: *Algae* 9729
 Pollution effects 9729

ANE, Finland, Tvarminne,
 Annual variations: *Zostera marina* 9740
 Community composition: *Zostera marina* 9740
 Diversity index 9740

ANE, France,
 Chemical pollutants 5512
 Development: *Phyllodoce laminosa* 8173
 Ecology: *Laminaria ochroleuca* 149
 Fish catch statistics 2061
 Geographical distribution: *Cetacea* 8506
 Geographical distribution: *Pinnipedia* 8506
 Geographical distribution: *Rhodophysemata* 12745
 Growth: *Littorina littorea* 8611
 Legislation 11150
 Littoral zone 11150
 Mapping 6958
 Marine pollution 5455
 Mineral resources 4703
 Morphology: *Halymenia* 4777
 Morphology (organisms): *Nucella lapillus* 6096
 Morphology (organisms) New species: *Desmodoridae* 157
 Nature conservation 11150
 New species: *Rhodophysemata feldmannii* 12745
 Pollution monitoring 1950, 3210, 5455, 5512
 Population structure: *Littorina littorea* 8611
 Radioactive pollution 5512
 Reproduction: *Phyllodoce laminosa* 8173
 Sediment analysis 4703
 Shellfish culture Introduced species: *Crassostrea gigas* 7828
 Shells: *Nucella lapillus* 6096
 Taxonomy: *Halymenia* 4777
 Thermal pollution 5512
 Water temperature 2061

ANE, France, Brittany,
 Fishing harbours 846
 Marine aquaculture Resource management: *Paracentrotus lividus* 2052
 Marine aquaculture Resource management: *Pecten jacobaeus* 2052
 Marine aquaculture Resource management: *Pecten maximus* 2052
 Marine aquaculture Resource management: *Venus verrucosa* 2052
 Natural resources Surveys 3
 Resource development Littoral zone 809
 Seed Collecting devices: *Pecten maximus* 915
 Shellfish Fisheries 2052
 Shellfish culture 926

ANE, France, Chausey Archipelago,
 Biocoenoses 7357
 Biogeography 7357
 Check lists 7357
 Marine ecology 7357

- ANE, France, Cotentin,
Plutonium: *Pisces* 7684
Radioactive pollution 7684
- ANE, France, Normandy,
Radioactivity 11036
Sediment analysis 11036
- ANE, France, Pertuis Breton,
Shellfish culture: *Mytilidae* 13706
- ANE, France, Quiberon,
Marine aquaculture 13613
- ANE, France, Roscoff,
Fouling organisms: *Halechiniscus greveni* 11549
Littoral zone: *Copidognathides minutirostris* 11712
New species: *Copidognathides minutirostris* 11712
New species: *Halechiniscus greveni* 11549
- ANE, France, Somme Bay,
Legislation 12293
Littoral zone 12293
Nature conservation 12293
- ANE, Georges-Bank,
Research programmes: *Clupea harengus* 6874
Stock assessment: *Clupea harengus* 6874
- ANE, German Bight,
Check lists: *Bacillariophyceae* 11473
Check lists: *Dinoflagellata* 11473
Fish catch statistics: *Anguilla* 13775
Phytoplankton 11473
Trawling: *Anguilla* 13775
- ANE, Germany D.R.,
Indicator organisms 9898
Production (biological) 9759
Sewage 9898
Zooplankton 9759
- ANE, Germany F.R.,
Community composition: *Nematoda* 4169
Freezing: *Mollusca* 11915
Marine aquaculture: *Crassostrea gigas* 7831
Marine pollution 9829
New species: *Kliopsyllus longifurcatus* 2673
Pollution monitoring 9829
Rearing: *Crassostrea gigas* 7831
Research programmes 9829
Sexual reproduction: *Crassostrea gigas* 7831
Temperature tolerance: *Mollusca* 11915
Tidal waves 8006
Tide gauge 8005
Tides 8005, 8006
Water level 8006
- ANE, Germany, F.R., Cuxhaven,
Sediment analysis 5908
Sediment texture 5908
- ANE, Germany, F.R., Dithmarscher Watt,
Geography 6754
- ANE, Germany, F.R., Eider estuary,
Aerial photography 7956
Coastal engineering 7956
Dams 7746
Plankton 7746
Water analysis (biological) 7746
Water analysis (chemical) 7746
- ANE, Germany, F.R., Elbe estuary,
Echosounding 8004
Hydrography 8004
Water level 8004
- ANE, Germany, F.R., Elbe R., Cuxhaven,
Estuaries Water analysis (chemical) 1177
- ANE, Germany, F.R., Elbe R. estuary,
Wind waves Storms 1196
- ANE, Germany, F.R., German Bight,
Fish catch statistics: *Anguilla anguilla* 6805
Fishing gear: *Anguilla anguilla* 6805
Net fishing: *Anguilla anguilla* 6805
- ANE, Germany, F.R., Helgoland,
Biogeography: *Fungi* 7380
Check lists: *Fungi* 7380
Population dynamics: *Ampelisca brevicornis* 6538
Production (biological): *Ampelisca brevicornis* 6538
Taxonomy: *Bryopsis lyngbyei* 11479
Underwater exploration 6964
Underwater research vessels 6964
- ANE, Germany, F.R., Husum Harbour,
New species: *Nitrosococcus mobilis* 11445
Ultrastructure: *Nitrosococcus mobilis* 11445
- ANE, Germany, F.R., Jade Waterway,
Channels 8795
Dredging 8795
Hydrology 8795
- ANE, Germany, F.R., Kiel Bay,
Benthos 9897
Diurnal rhythm: *Diastylis rathkei* 11896
Indicator organisms 9897
Pollution effects 9897
Sewage 9897
Vertical distribution: *Diastylis rathkei* 11896
- ANE, Germany, F.R., North Sea,
Predation: *Crangon crangon* 6599
Temperature effects: *Crangon crangon* 6599
- ANE, Germany, F.R., Schlei Fjord,
Algal blooms 12067
Microorganisms 12067
- ANE, Germany, F.R., Spiekeroog Isl.,
Coastal engineering 8011
Erosion control 8011
- ANE, Germany, F.R., Sylt Is.,
Air-water interface 11359
Onshore currents 8002
Surface microlayers 11359
- ANE, Germany, F.R., Sylt, List,
Taxonomy: *Dinoflagellata* 11483
- ANE, Germany, F.R., Weser estuary,
Autecology 8534
Benthos: *Nematoda* 9721
Biogeography: *Fungi* 7380
Biomass: *Nematoda* 9721
Check lists: *Fungi* 7380

- Heavy metals 7729
 Hydrography 1
 Seasonal variations: *Fungi* 12158
 Water quality: *Escherichia coli* 1
- ANE, Germany, Fed.Rep.,**
 Tides 4688
 Vertical distribution Rearing: *Crassostrea gigas* 2131
 Vertical distribution Rearing: *Mytilus edulis* 2131
- ANE, Germany, Fed.Rep., Elbe Estuary,**
 Estuaries: *Anguilla* 13783
 Fisheries: *Anguilla* 13783
- ANE, Germany, Fed.Rep., Helgoland,**
 Growth: *Flustra foliacea* 2975
- ANE, Germany, Fed.Rep., Juister Watt,**
 Tidal currents 4689
- ANE, Germany, Fed.Rep., Kiel Bay,**
 Benthos 12092
 Horizontal distribution: *Copepoda* 12091
 Pollution effects: *Copepoda* 12091
- ANE, Germany, Fed.Rep., Kiel Fjord,**
 Nutritional requirements: *Bacteria* 2988
 Production (biological): *Bacteria* 5400
 Trophic levels: *Bacteria* 5400
- ANE, Germany, Fed.Rep., Neuwerk/Scharhoerner Watt,**
 Benthos 5891
 Sediment transport 5891
- ANE, Germany Fed.Rep., Sylt,**
 Epiphytes 12306
 Fouling organisms 12306
- ANE, Germany, Fed.Rep., Sylt, Koenigshafen,**
 Marine ecology Pollution effects: *Ciliata* 636
- ANE, Germany, Fed.Rep., Weser estuary,**
 Benthic zone: *Diatomaceae* 4072
 Biotope: *Algae* 5149
 Geography 7054
 Horizontal distribution: *Algae* 5149
 Hydrography 7054
- ANE, Gotland-Becken,**
 Stock assessment: *Gadus morhua* 6804
 Stomach contents: *Gadus morhua* 6804
- ANE, Greenland,**
 Pack ice 5884, 6986
 Water masses 6986
- ANE, Hanoë Bight,**
 Currents 13782
 Fishery oceanography: *Anguilla* 13782
 Winds 13782
- ANE, Hebrides Sea,**
 Sediment distribution 3805
 Topography 3805
- ANE, Helgoland Bight,**
 Population studies Marine ecology: *Fungi* 420
- ANE, Iberian Deep-Sea Basin,**
 New species: *Pleurotomella bathyberica* 11616
 Taxonomy: *Pleurotomella* 11616
- ANE, Iceland,**
 Abundance: *Sebastes marinus* 13153
- Amino acids: *Algae* 10333
 Argon 2350
 Bottom trawls: *Sebastes marinus* 13153
 Chemical analysis: *Pisces* 5700
 Chemical composition: *Algae* 10333
 Chemical pollutants: *Pisces* 5700
 Ecology: *Oligochaeta* 10385
 Fishery economics 10088
 Geographical distribution: *Sebastes marinus* 13153
 Magnetic anomalies 2426
 Marine fisheries 11272
 Mercury: *Pisces* 5700
 New record: *Codium fragile* 8509
 New records: *Oligochaeta* 10385
 New species: *Eugyra islandica* 2850
 New species: *Lumbricillus macrothecatus* 10385
 New species: *Tubifex litoralis* 10385
 Nitrogen 2350
 Oxygen 2350
 Regional variations: *Sebastes marinus* 13153
 Taxonomy: *Codium fragile* 8509
 Territorial waters 11272
- ANE, Ireland,**
 Check lists: *Pisces* 9360
 Enzymes: *Pisces* 9424
 Evolution: *Pisces* 9424
 Horizontal distribution: *Pisces* 9360
 Larvae: *Platysquilla eusebia* 1421
 Liver: *Pisces* 9424
 Migrations: *Scomber scombrus* 11899
 Tagging: *Scomber scombrus* 2937, 11899
- ANE, Irish Sea,**
 Age composition: *Gadus poutassou* 8856
 Bathymetric charts 8028
 Bottom topography 8028
 Charting 8028
 Current measurements 4684
 Discontinuity layers 6994
 Diurnal rhythm: *Evadne nordmanii* 2938
 Fecundity: *Raja naevus* 7288
 Fishery surveys: *Nephrops norvegicus* 7532
 Hydrography 6994
 Larvae: *Nephrops norvegicus* 7532
 Marine pollution 13436
 Phytoplankton 13436
 Sedimentation 8028
 Sewage 13436
 Sexual reproduction: *Raja naevus* 7288
 Stock assessment: *Gadus poutassou* 8856
 Thermocline 6994
 Toxicity: *Skeletonema costatum* 13436
 Vertical distribution: *Evadne nordmanii* 2938
 Vertical migrations: *Evadne nordmanii* 2938
- ANE, Isle of Man,**
 Biological collections: *Harpacticoida* 4951
 Growth: *Laminaria hyperborea* 7427
 Growth rate: *Laminaria hyperborea* 11955
 Histology: *Merlangius merlangus* 7470
 New species: *Arenostella monensis* 7206
 New species: *Paramphiascopsis triarticulus* 7206
 New species: *Parathalestris plumiseta* 4951

New species: *Paravansula vermiformis* 4951
Parasites: *Merlangius merlangus* 7470
Population genetics: *Chlamys opercularis* 4935

ANE, Isle of Man, Port Erin,
Production (biological): *Algae* 6600
Sublittoral zone: *Algae* 6600
Succession: *Algae* 6600

ANE, Jan Mayen,
Benthos Community composition 1896
Check lists: *Mollusca* 11590
New species: *Limatula* 11590

ANE, Kattegat,
Atmospheric pressure 4685
ANE, Kiel Bight,
Algal blooms 9684
Benthos 5467, 9723
Benthos: *Invertebrata* 9725
Carbon: *Copepoda* 9685
Community composition: *Invertebrata* 9724
Ecosystems 9684
Energy flow 9723
Larvae: *Pisces* 9725
Life cycle: *Clunio marinus* 10536
Morphology: *Ameira divagans* 4952
Nitrogen: *Copepoda* 9685
Nutrients (mineral) 10173
Phytoplankton 9684
Plankton: *Invertebrata* 9725
Pollution effects 5467
Population density: *Invertebrata* 9724
Primary production 9684
Sediment-water interface 10144, 10173
Spawning migrations: *Clupea harengus* 5167
Tagging: *Clupea harengus* 5167
Taxonomy: *Ameira divagans* 4952
Zooplankton 9685

ANE, Kiel Fjord,
Biochemistry: *Desulfovibrio* 2480
Water analysis (chemical): *Thiobacillus* 2480

ANE, Lillebelt Strait,
History: *Phocoena phocoena* 13156
Migrations: *Phocoena phocoena* 13156

ANE, Lofoten Is.,
Experimental fishing: *Gadus morhua* 3384
Gear selectivity: *Gadus morhua* 3384
Gillnets: *Gadus morhua* 3384

ANE, Menai Strait,
Bioaccumulation: *Algae* 7668
Chemical composition: *Ostrea edulis* 9263
Fouling organisms Seasonal variations 2045
Growth: *Ostrea edulis* 2978
Heavy metals: *Algae* 7668
Indicator organisms: *Algae* 7668
Seasonal variations: *Ostrea edulis* 2978, 9263

ANE, Netherlands,
Dams 3345
Deltas 3345
Geographical distribution: *Haliclona loosanoffi* 13132
Geographical distribution Salinity effects:

Vaucheria 322
Methodology: *Vibrio parahaemolyticus* 8072
Morphology (organisms): *Marasmiellus caespitosus* 7077
New records: *Haliclona loosanoffi* 13132
New records: *Sepia pharaonis* 4871
New species: *Brederveldia bidentata* 1346
Sampling (biological): *Vibrio parahaemolyticus* 8072
Shellfish culture: *Mytilidae* 13706
Shells: *Sepia pharaonis* 4871

ANE, Netherlands, Delta Area,
Biocoenoses 6391
Biocoenoses: *Hydroides elegans* 6391
Marine ecology 6391
Succession: *Balanus amphitrite* 6391
Succession: *Hydroides elegans* 6391
Succession: *Mercierella enigmatica* 6391

ANE, Netherlands, Wadden Sea,
Copper 10175
Iron 10175
Manganese 10175
Water analysis (chemical) 10175
Zinc 10175

ANE, North Sea,
Atmospheric pressure 4685
Biology: *Grillotia erinaceus* 13291
Caesium 5474
Chemical analysis: *Pleuronectes platessa* 13042
Chemical composition: *Pollachius virens* 5095
Chemical composition: *Pollachius virens* 5094
Coastal fisheries 12499
Current measurements 4684
Currents 7011
Data collections 7011
DDT 7661
Deep currents 7017
Ecosystems 9810
Ecosystems: *Calanus* 8634
Environmental effects: *Solea solea* 13812
Eutrophication 3076
Evolution: *Astartidae* 4885
Exploratory fishing 8851
Eyes: *Sprattus sprattus* 7460
Fats: *Pollachius virens* 5095
Feeding: *Calanus* 8634
Fish catch statistics 3466, 12424
Fisheries resources: *Squalus acanthias* 8848
Fishery biology 6860
Fishery economics 12499
Fishery management: *Stet sprattus* 1032
Fishery oceanography 6991
Fishery statistics: *Stet sprattus* 1032
Fishery surveys: *Squalus acanthias* 8848
Fishing effort: *Solea solea* 13812
Geographical distribution: *Bacteria* 5180
Geographical distribution: *Macoma balthica* 5767
Growth rate: *Solea solea* 13812
Haematology: *Pleuronectes platessa* 13042
Hormones: *Pleuronectes platessa* 13042
Hosts: *Melanogrammus aeglefinus* 13291
Hydrodynamics 9042
Hydrography 8851

- Landing statistics: *Gadidae* 3468
 Length-weight relationships: *Pleuronectes platessa* 5227
 Length-weight relationships: *Solea solea* 13812
 Life cycle: *Grillotia erinaceus* 13291
 Marine geology 8038
 Marine pollution 12219
 Mathematical models 5873
 Mathematical models Yield: *Stet sprattus* 1032
 Migrations: *Merlangius merlangus* 13854
 Migrations: *Phocoidea* 7389
 Models: *Calanus* 9810
 Morphology (organisms): *Astartidae* 4885
 Morphology (organisms): *Stauronereis caecus* 8492
 Mud 10232
 New record: *Stauronereis caecus* 8492
 New species: *Echinobothrium harfordi* 8594
 Offshore technology 12265
 Oil industry 5724
 Oil pollution 12265
 Palaeontology: *Macoma balthica* 5767
 Parasites: *Echinobothrium harfordi* 8594
 Parasites: *Gilquinia squali* 13854
 Parasites: *Grillotia erinaceus* 13291
 Parasites: *Lernaenicus encrasicholi* 7460
 Parasites: *Lernaenicus sprattae* 7460
 Parasitic diseases: *Sprattus sprattus* 7460
 PCB 7661
 Pesticides: *Mytilidae* 5500
 Pesticides: *Penaeidae* 5500
 Pesticides: *Pisces* 5500
 Physiology: *Homo sapiens* 12566
 Phytoplankton 3076
 Phytoplankton Algal blooms 1864
 Population density: *Bacteria* 5294
 Population dynamics: *Clupea harengus* 6875
 Population dynamics: *Phoca vitulina* 6441
 Population dynamics: *Thunnus thynnus* 6491
 Predation: *Calanus* 8634, 9810
 Quota regulations: *Gadidae* 3468
 Reproduction: *Pleuronectes platessa* 13042
 Research programmes: *Clupea harengus* 6875
 Seasonal variations 3076
 Seasonal variations: *Bacteria* 5180
 Seasonal variations: *Phocoidea* 7389
 Seasonal variations: *Pollachius virens* 5095
 Seasonal variations: *Pollachius virens* 5094
 Sediment analysis: *Bacillus* 5294
 Sedimentation 10232
 Sediments 7661
 Sewage 3173
 Statistical analysis: *Melanogrammus aeglefinus* 12449
 Stock assessment: *Clupea harengus* 6875
 Stock assessment: *Gadidae* 3468
 Stock assessment: *Merlangius merlangus* 13854
 Stock assessment: *Pleuronectoidea* 6877
 Strontium 5474
 Survival: *Homo sapiens* 12566
 Tagging: *Merlangius merlangus* 13854
 Taxonomy: *Astartidae* 4885
 Waste disposal 3173
 Water circulation 5873, 9042
 Water temperature: *Homo sapiens* 12566
 Wind-driven currents 7017
 Zooplankton 9810
- ANE, North Sea, Sylt,**
 Interstitial environment: *Nematoda* 3876
 New species: *Neochromadora paratecta* 3876
 New species: *Pomponema syltense* 3876
 Taxonomy: *Nematoda* 3876
- ANE, North Sea, Sylt I.,**
 Interstitial environment: *Cyclopinae* 3957
 New species: *Cyclopinae* 3957
- ANE, North Sea, Sylt Isl.,**
 Interstitial environment: *Acoela* 3875
 Interstitial environment: *Turbellaria* 3883
 Morphology (organisms): *Acoela* 3875
 New species: *Acoela* 3875
 New species: *Typhloplanidae* 3887
 Population dynamics: *Turbellaria* 4168
 Population structure: *Kalyptorhynchia* 4168
 Population structure: *Turbellaria* 4168
 Taxonomy: *Turbellaria* 3883
- ANE, Northern Baltic Sea, Finland,**
 Benthos 4210, 4211
 Research programmes 4210
- ANE, Norway,**
 Abundance: *Calanus finmarchicus* 12065
 Annual variations 11354, 11355
 Benthos: *Mollusca* 1641
 Biomass: *Calanus finmarchicus* 9703
 Catch statistics: *Mallotus villosus* 5636
 Diseases: *Pollachius virens* 11999
 Diseases: *Vibrio anguillarum* 11999
 Diversity index 3083
 DNA: *Euchaeta norvegica* 9299
 Echo surveys: *Sprattus sprattus* 12402
 Epiphytes: *Navicula fucicola* 2511
 Experimental fishing: *Calanus finmarchicus* 9703
 Feeds: *Calanus finmarchicus* 9703
 Fish culture: *Pollachius virens* 11999
 Fisheries statistics: *Mallotus villosus* 5636
 Fishery surveys: *Clupea sprattus* 3433
 Fishery surveys: *Mallotus villosus* 13865
 Fjords: *Sprattus sprattus* 12402
 Fossils Geology 1240
 Geographical distribution: *Branchinecta paludosa* 6412
 Geographical distribution: *Pelecypoda* 2917
 Geographical distribution: *Pollachius virens* 11900
 Horizontal distribution 12065
 Insecticides: *Gadus morhua* 8775
 Life cycle: *Euchaeta norvegica* 9299
 Marking: *Pollachius virens* 11900
 Models: *Sprattus sprattus* 12402
 Morphology (organisms): *Dorvillea erucaeformis* 1365
 New records: *Bradyetes matthei* 9289
 New records: *Geryon affinis* 2918
 New records: *Polyartemia forcipata* 6412
 New species: *Bradyetes matthei* 9289
 New species: *Macroseta rarisetis* 1362
 New species: *Navicula fucicola* 2511
 New species: *Pelosclex amplivasatus* 1362

- New species: *Turbellaria* 11566
 Oceanographic data 11353, 11354, 11355
 Oil pollution 9859
 Parasites: *Antheacheres duebeni* 11993
 Parasites: *Bolocera tuediae* 11993
 Phytoplankton Environmental effects 1880
 Phytoplankton Transportation 1880
 Plankton collecting devices 12065
 Pollutants 8731
 Pollution effects: *Gadus morhua* 8775
 Population dynamics: *Euphausiidae* 3045
 Population dynamics: *Mallotus villosus* 5636
 Production (biological) 12065
 Reproduction: *Euchaeta norvegica* 9299
 Salinity 2335, 11353, 11354, 11355
 Seasonal variations: *Euchaeta norvegica* 9299
 Sedimentology Fjords 1240
 Spawning: *Mallotus villosus* 11897
 Spawning grounds: *Mallotus villosus* 11897, 13865
 Spawning migrations: *Pollachius virens* 11900
 Stock assessment: *Sprattus sprattus* 12402
 Water temperature 2335, 11353, 11354, 11355
 Whaling 804
 Zooplankton 3083, 8731, 12065, 13347
 Zooplankton Abundance 1881
- ANE, Norway, Bergenfjord,**
 Benthos Community composition: *Ascidia* 1642
 Geographical distribution: *Caudoveatea* 1643
- ANE, Norway, Eidfjord,**
 Sediment structure 4714
 Underwater exploration 4714
- ANE, Norway, Hardangerfjord,**
 Catch effort: *Anguilla anguilla* 13552
 Experimental fishing: *Anguilla anguilla* 13552
 Phytoplankton 9716
 Tagging: *Anguilla anguilla* 13552
 Traps: *Anguilla anguilla* 13552
- ANE, Norway, Korsfjorden,**
 Biomass: *Euchaeta norvegica* 9301
 Chemical composition: *Euchaeta norvegica* 9301
 Life cycle: *Euchaeta norvegica* 9301
 Population dynamics: *Euchaeta norvegica* 3044
 Proteins: *Euchaeta norvegica* 9301
- ANE, Norway, Lindaspollene,**
 Water analysis (chemical) 2377
- ANE, Norway, Lofoten,**
 Age composition: *Gadidae* 11901
 Annual variations: *Gadidae* 11901
 Echo surveys: *Gadidae* 11901
 Spawning migrations: *Gadidae* 11901
- ANE, Norway, Norwegian Trench,**
 Biogeography: *Fungi* 7381
- ANE, Norway, Ofotfjord,**
 Benthos: *Algae* 9162
 Biochemistry: *Algae* 9162
 Chromatographic techniques: *Algae* 9162
 Photosynthetic pigments: *Algae* 9162
- ANE, Norway, Oppland, Yelsbotn,**
 Geographical distribution: *Branchinecta paludosa* 9531
 New records: *Branchinecta paludosa* 9531
 Ponds: *Branchinecta paludosa* 9531
- ANE, Norway, Oslofjord,**
 Food organisms Stomach content: *Pandalus borealis* 1749
 Heavy metals: *Pandalus borealis* 13463
- ANE, Norway, Skarvoey,**
 New records: *Stomatolepas elegans* 13146
- ANE, Norway, Skjervoei,**
 Geographical distribution: *Patella vulgata* 11867
- ANE, Norway, Skjomen Fjord,**
 Marine ecology Geographical distribution: *Coccolithophoridae* 1645
- ANE, Norway, Stjoernfjord,**
 New records: *Turbellaria* 9171
 Salt marshes: *Turbellaria* 9171
- ANE, Norway, Trondheimsfjord,**
 New records: *Turbellaria* 9171
 Salt marshes: *Turbellaria* 9171
- ANE, Norway, Utsira,**
 Oil pollution: *Aves* 5421
 Pollution surveys 5421
- ANE, Norway, Vardo,**
 Regional variations: *Mallotus villosus* 11728
 Sediment structure: *Mallotus villosus* 11728
 Spawning grounds: *Mallotus villosus* 11728
 Water temperature: *Mallotus villosus* 11728
- ANE, Norwegian Basin,**
 Abundance: *Calanus finmarchicus* 5341
 Abundance: *Pisces* 11727
 Age composition: *Calanus finmarchicus* 5341
 Caesium 5474
 Commercial fishing 11727
 Continental slope: *Pisces* 11727
 Echo surveys: *Gadus poutassou* 12394
 Fish larvae: *Clupea harengus* 5663
 Fisheries resources 11727
 Geographical distribution: *Pisces* 11727
 Natural mortality: *Clupea harengus* 5663
 Phosphates 6999
 Plankton 5341
 Population structure: *Melanogrammus aeglefinus* 12017
 Salinity 11374
 Seasonal variations: *Copepoda* 5339
 Seasonal variations: *Diatomaceae* 5339
 Strontium 5474
 Vertical distribution: *Pisces* 11727
 Water temperature 11374, 11397
 Weather conditions 11397
 Zooplankton 5340
- ANE, Norwegian coastal current,**
 Current measurements 12668
 Oceanographic data 12668
- ANE, Norwegian Depression,**
 DDT 7661
 PCB 7661
 Sediments 7661

ANE, Plymouth Sound,Population genetics: *Ascidia mentula* 6360**ANE, Poland,**

Amino acids 13511

Industrial wastes 13511

Seasonal variations 13511

Toxicity 13511

ANE, Poland, Gdansk Bay,

Detergents 9860

Phytoplankton Seasonal variations 1866

ANE, Poland, Swina Straits,

Seiches 1201

ANE, Poland, Szczecin Firth,

Eutrophication 9687

Plankton 9687

Pollution effects 9687

ANE, Reykjanes Ridge,

Deep currents 10228

Fishery oceanography 12393

Geology 10228

Hosts: *Macrourus berglax* 11991Hosts: *Macrourus rupestris* 11991

Magnetic anomalies 2426

Parasites: *Cestoidea* 11991Parasites: *Cnidosporidia* 11991Parasites: *Crustacea* 11991Parasites: *Monogeneoidea* 11991Parasites: *Nematoda* 11991Parasites: *Trematoda* 11991

Sedimentation 10228

ANE, Riga Gulf,Fisheries data Computer applications: *Clupea harengus* 984Potential yield Fisheries data: *Clupea harengus* 984**ANE, Scandinavia,**Geographical distribution: *Devonia perrieri* 9544**ANE, Scotland,**Population genetics: *Ascidia mentula* 6360**ANE, Shetland,**Abnormalities: *Laminaria faeroensis* 9120Morphology: *Laminaria faeroensis* 9120**ANE, Skaggerak,**

Atmospheric pressure 4685

Pesticides: *Cephalopoda* 12258Pesticides: *Crustacea* 12258Pesticides: *Pisces* 12258Pesticides: *Polychaeta* 12258**ANE, Skaggerak Sea,**Blood: *Pisces* 10637Ions: *Pisces* 10637Physiology: *Pisces* 10637**ANE, Solent,**

Dispersion 9846

Mathematical models 9846

Waste water 9846

ANE, Spain, Ria de Muros,Abundance: *Copepoda* 13344Community composition: *Copepoda* 13344Ecology: *Copepoda* 13344**ANE, Spitzbergen,**

Bottom topography 2424

Exploratory fishing 6876

Exploratory fishing: *Pisces* 6850Glands: *Aves* 10683New species: *Harpacticoida* 3959Production (biological): *Aves* 10683Saline water: *Aves* 10683

Sediment structure 2424

Taxonomy: *Harpacticoida* 3959**ANE, Spitzbergen, Storvatnbekken,**Diurnal rhythms: *Algae* 10727Drift organisms: *Algae* 10727Light effects: *Algae* 10727**ANE, Sweden,**

Benthos 9874

Biological rhythms: *Anguilla* 13778Fish catch statistics: *Anguilla* 13778, 13782

Industrial wastes 9874

Life cycle Environmental effects: *Phaeophyceae* 2491Moon phases: *Anguilla* 13778New species: *Ophryotrocha longidentata* 1365

Pollution effects 9874

Pollution effects Benthos 634

Pollution monitoring Industrial wastes 634

Salinity effects Geographical distribution:

Phaeophyceae 2946Salinity effects Growth: *Phaeophyceae* 2946**ANE, Sweden, Asko-Landsort,**Feeding: *Clupea harengus* 9633Feeding: *Myoxocephalus quadricornis* 9633Feeding: *Zoarces viviparus* 9633**ANE, Sweden, Gullmar Fiord,**Liver: *Myxine glutinosa* 8585Pollutants: *Myxine glutinosa* 8585Tumours: *Myxine glutinosa* 8585**ANE, Sweden, Hamnefjaerden Bay,**Population genetics: *Gymnocephalus cernua* 12051Temperature effects: *Gymnocephalus cernua* 12051**ANE, Sweden, Oeresund,**New records: *Attheya decora* 2887**ANE, Sweden, Stockholm archipelago,**Algal blooms: *Oscillatoria agardhii* 9861

Eutrophication 9861

Phosphorus cycle 9861

Primary production: *Oscillatoria agardhii* 9861**ANE, Sweden, Trosa archipelago,**

Phytoplankton 4202

ANE, Sylt Is.,

Coastal engineering 8010

Measuring devices 8010

ANE, USA, New York Bay,

Oil spills Tides 543

Oil spills Winds 543

ANE, USSR, Estonia,

Benthos: *Algae* 9741

Coastal zone: *Algae* 9741

ANE, Wadden Sea,

Coastal engineering 8057

Community composition: *Zostera* 7563

Diseases: *Zostera marina* 7563

Erosion 8012

Feeding behaviour: *Pleuronectes platessa* 9615

Geographical distribution: *Crangon crangon* 8522

Geographical distribution: *Eurytemora affinis* 8508

Hydrology 8057

Migrations: *Crangon crangon* 8522

Population structure: *Zostera* 7563

Salinity effects: *Eurytemora affinis* 8508

Sea grass 7563

Seasonal variations: *Crangon crangon* 8522

Sediment transport 8012, 8057

Stomach content: *Pleuronectes platessa* 9615

ANE, Wadden Sea, Sylt,

Zooplankton Biomass 3072

Antarctica,

New species: *Cytharoides balechi* 2562

Antarctica, Bonney L.,

Ecosystems 1925

Phosphorus 12610

Salinity 12610

Water analysis (chemical) 12610

Antarctica, Ross Island, Bird Pond,

Limnology 7002

Salt lakes 7002

ANW,

Abundance: *Coryphaenoides rupestris* 12455

Abundance: *Macrourus berglax* 12455

Abundance: *Nezumia bairdii* 12455

Aerial surveys: *Pagophilus groenlandicus* 13841

Biogeography: *Mytilus edulis* 10901

Biology: *Phoca vitulina* 13074

Cadmium 11361

Catch effort: *Gadidae* 12430

Catch effort: *Pisces* 12432

Catch effort: *Sebastes marinus* 12453

Census: *Pagophilus groenlandicus* 13841

Conferences Fisheries 2258, 2259, 2260

Conservation: *Phoca vitulina* 13074

Currents 9067

Electrophoresis: *Menidia menidia* 10624

Erosion 9067

Fish catch statistics 12432

Fish catch statistics: *Gadidae* 12430

Fish catch statistics: *Paralichthys dentatus* 12454

Fish catch statistics: *Sebastes marinus* 12453

Fish catch statistics: *Thunnus thynnus* 4493

Fisheries 12534

Fishery biology: *Gadidae* 12430

Fishery economics 6897

Fishery management 6897

Fishery management: *Thunnus thynnus* 4493

Fishery surveys: *Cephalopoda* 969

Fishery surveys: *Illex illecebrosus* 13774

Fishing effort: *Pisces* 12432

Fishing effort: *Sebastes marinus* 12453

Fishing mortality: *Gadidae* 12430

Genetics: *Menidia menidia* 10624

Geographical distribution: *Coryphaenoides*

rupestris 12455

Geographical distribution: *Gammaracanthus*

loricatus 11674

Geographical distribution: *Macrourus berglax* 12455

Geographical distribution: *Nezumia bairdii* 12455

Geographical distribution: *Nudibranchia* 7378

Geographical distribution: *Phoca vitulina* 13074

Geographical distribution Life cycle: *Gammarus* 2656

Geology: *Cephalopoda* 4587

Growth rate 11948

Growth rate: *Macrouridae* 11948

Ichthyoplankton: *Hippoglossoides platessoides* 12436

Juveniles: *Ammodytes hexapterus* 10781

Juveniles: *Clupea harengus* 10781

Larvae: *Anguilla* 3442

Life cycle: *Gammarus finmarchicus* 2658

Life cycle: *Gammarus mucronatus* 2657

Life cycle: *Gammarus stoereus* 2657

Marine ecology: *Cetacea* 13117

Marine ecology: *Nudibranchia* 7378

Marine ecology: *Phoca vitulina* 13074

Meristic counts: *Pisodonophis cruentifer* 10541

Methodology 12183

Migrations: *Mytilus edulis* 10901

Morphology: *Pisodonophis cruentifer* 10541

New records: *Planktoniella sol* 10722

Nitrogen cycle 11363

Oceanographic data 8991, 8992

Pesticides 13430

Population genetics: *Mytilus edulis* 10901

Population parameters: *Thunnus thynnus* 13319

Potential yield: *Gadidae* 12430

Potential yield: *Paralichthys dentatus* 12454

Predation: *Nudibranchia* 7378

Proteins 10171

Reproduction: *Gammaracanthus loricatus* 11674

Scale reading 11948

Scale reading: *Macrouridae* 11948

Sea law 6897

Seasonal variations: *Algae* 12081

Seasonal variations: *Copepoda* 12081

Sediment analysis 4587

Sedimentation 9067

Serological studies: *Clupea harengus* 7507

Sexual maturity: *Gammaracanthus loricatus* 11674

Sexual maturity: *Pisodonophis cruentifer* 10541

Shellfish fisheries: *Illex illecebrosus* 13774

Spawning seasons: *Anguilla* 3442

Stock assessment: *Pagophilus groenlandicus* 13841

Stock assessment: *Paralichthys dentatus* 12454

Stock assessment: *Phoca vitulina* 13074

Stock identification: *Clupea harengus* 7507

Stock identification: *Reinhardtius hippoglossoides* 12042

Subpopulation: *Menidia menidia* 10624

Tagging: *Salmo salar* 10734

Temperature effects Biogeography 1189

- Tidal currents 1189
 Tides 12673
 Topography 9067
 Ultraviolet radiation: *Pagophilus groenlandicus* 13841
 Water analysis (chemical) 10171, 11361, 11363
 Yield: *Sebastes marinus* 12453
 Zooplankton 12053
- ANW, Anticosti Channel,**
 Water temperature 4663
- ANW, Atlantic,**
 Chemical composition 7986
 Trace constituents 7986
 Water analysis (chemical) 7986
- ANW, Baffin I.,**
 Benthos: *Bacillariophyta* 8095
 Biological collections: *Bacillariophyta* 8095
 Community composition: *Bacillariophyta* 8095
 Morphology (organisms): *Bacillariophyta* 8095
 Taxonomy: *Stauroneis phoenicenteron* 8095
- ANW, Beauge Bank,**
 Water temperature 4663
- ANW, Bedford Basin,**
 Algal blooms: *Thalassiosira* 5260
 Bottom topography 2316
 Phytoplankton: *Thalassiosira* 5260
- ANW, British Isles,**
 Environmental effects: *Littorina* 12149
 Morphology (organisms): *Littorina* 12149
 Predation: *Littorina* 12149
 Shells: *Littorina* 12149
- ANW, Canada,**
 Age composition: *Thunnus thynnus* 13845
 Arsenic: *Crustacea* 13473
 Arsenic: *Teleostei* 13473
 Availability: *Sebastes* 12409
 Biomass: *Sebastes* 12409
 Catch statistics 5727
 Chemical analysis: *Crustacea* 13473
 Chemical analysis: *Teleostei* 13473
 Currents 2343
 Experimental fishing: *Cancer irroratus* 8817
 Experimental fishing: *Chionoecetes opilio* 8817
 Experimental fishing: *Hyas* 8817
 Fats: *Clupea harengus* 8373
 Fish catch statistics: *Thunnus thynnus* 13845
 Fish oils: *Clupea harengus* 3403
 Fisheries 5727, 13541
 Fishermen 5727
 Fishery products 8887
 Fishery products: *Buccinum undatum* 8874
 Fishery products: *Chionoecetes opilio* 8874
 Fishery products: *Gadus morhua* 8874
 Fishery products: *Pandalus borealis* 8874
 Fishery surveys: *Sebastes* 12409
 Fishing vessels 5727
 Geographical distribution: *Hippoglossoides platessoides* 3987
 Life cycle: *Hippoglossoides platessoides* 3987
 Microbial contamination: *Mollusca* 8886
 New records: *Archosargus probatocephalus* 8494
- New records: *Hypsoblennius hentzi* 8494
 Oceanography 7975
 Processing fishery products: *Scomber scombrus* 8863
 Red tides Poisons (biological): *Gonyaulax tamarensis* 747
 Red tides Poisons (biological): *Mya arenaria* 747
 Sampling (biological): *Sebastes* 12409
 Sea ice 7028
 Shellfish fisheries 7975
 Size distribution: *Thunnus thynnus* 13845
 Stock assessment: *Thunnus thynnus* 13845
 Taxonomy: *Hippoglossoides platessoides* 3987
 Water temperature 2343
- ANW, Canada, Chaleurs Bay,**
 Environmental effects: *Algae* 8811
 Fishing gear: *Algae* 8811
 Fouling organisms: *Algae* 8811
 Population structure: *Microgadus tomcod* 7489
- ANW, Canada, Iles-de-la-Madeleine,**
 Chlorophylls 7972
 Community composition: *Crustacea* 8649
 Community composition: *Echinodermata* 8649
 Community composition: *Mollusca* 8649
 Community composition: *Pisces* 8649
 Exploratory fishing: *Chlamys islandica* 8844
 Fishery surveys: *Chlamys islandica* 8844
 Primary production 7972
 Resource development: *Bivalvia* 8838
 Shellfish culture 8838
 Stock assessment: *Chlamys islandica* 8844
 Water analysis (chemical) 7972
 Water analysis (physical) 7972
- ANW, Canada, Laurentide Ice Sheet,**
 Climatology 7030
 Ice 7030
- ANW, Canada, New Brunswick,**
 Fry: *Salmo salar* 11903
 Host-parasite systems: *Salmo salar* *Diplostomum spathaceum* 11903
 Host-parasite systems: *Salmo salar* *Discocotyle sagittata* 11903
 Host-parasite systems: *Salmo salar* *Neoechinorhynchus rutili* 11903
 Indicator organisms: *Diplostomum spathaceum* 11903
 Indicator organisms: *Discocotyle sagittata* 11903
 Indicator organisms: *Neoechinorhynchus rutili* 11903
 Life cycle Reproduction: *Mysis stenolepis* 204
 Tagging: *Salmo salar* 11903
- ANW, Canada, New Brunswick, Passamaquoddy Bay,**
 Life cycles: *Diastylis sculpta* 11653
 Reproduction: *Diastylis sculpta* 11653
 Seasonal variations: *Diastylis sculpta* 11653
- ANW, Canada, Newfoundland,**
 Artisanal fishing 9967
 Currents 2378, 2398
 Dissolved oxygen 3770
 Ecology: *Hippoglossoides platessoides* 9672
 Eutrophication 4366
 Feeding behaviour: *Hippoglossoides platessoides* 9672
 Fisheries data 5883

Fisheries statistics: *Hippoglossoides platessoides* 2164
 Fisheries statistics: *Palinurus* 5665
 Fishery surveys: *Cyclopterus lumpus* 8849
 Growth: *Hippoglossoides platessoides* 9672
 Harbours 4366
 Ice 5883
 Icebergs 2399
 Migrations: *Cyclopterus lumpus* 8849, 10861
 Migrations: *Gadus morhua* 10861
 Migrations: *Lernaeocera branchialis* 10861
 Migrations: *Salmo salar* 11902
 Migrations: *Scomber scombrus* 1671
 Morphology: *Hippoglossoides platessoides* 9672
 Parasites: *Lernaeocera branchialis* 10861
 Reproduction rate: *Hippoglossoides platessoides* 9672
 Salinity 2378
 Stock assessment: *Palinurus* 5665
 Tidal currents 3770
 Topography 2378
 Water circulation 2342, 2398
 Water temperature 2342

ANW, Canada, Newfoundland, Grand Banks,

Catch statistics: *Mallotus villosus* 3461
 Trawling: *Mallotus villosus* 3461

ANW, Canada, Newfoundland Ridge,

Currents 2397
 Mathematical models 2397
 Water temperature 2397

ANW, Canada, Nova Scotia,

Baseline studies: *Foraminifera* 12788
 Baseline studies: *Ostracoda* 12788
 Check lists: *Foraminifera* 12788
 Check lists: *Ostracoda* 12788
 Community composition: *Foraminifera* 12788
 Ecosystems 9745
 Environmental conditions: *Fucus distichus* 9144
 Fish catch statistics 5721
 Fishery economics 5721
 Geographical distribution 6718
 Inlets (waterways) 9745
 Marine ecology 9745
 Methodology 7964
 Ontogeny: *Fucus distichus* 9144
 Pollution effects 6718
 Reproduction: *Fucus distichus* 9144
 Seasonal variations: *Fucus distichus* 9144
 Sedimentation Organic suspended matter 1231
 Water analysis (chemical) 7964

ANW, Canada, Nova Scotia, Canso Strait,

Benthos: *Axius serratus* 10723
 Dams 8792
 Geographical distribution: *Axius serratus* 10723
 Sediment analysis 8792

ANW, Canada, Nova Scotia, St.Margaret's Bay,

Abundance: *Homarus americanus* 10849
 Abundance: *Laminaria longicuris* 10849
 Abundance: *Strongylocentrotus droebachiensis* 10849
 Environmental factors: *Laminaria* 13406

Population control: *Strongylocentrotus droebachiensis* 13406
 Predation: *Homarus americanus* 10849

ANW, Canada, Quebec,

Abundance: *Pandalus borealis* 8852
 Fishery industry plants 8868
 Fishery industry plants: *Buccinum undatum* 8869
 Fishery surveys Stock assessment: *Mya arenaria* 978
 Growth: *Pandalus borealis* 8852
 Microbial contamination: *Buccinum undatum* 8880
 Microbial contamination: *Mya arenaria* 8880
 Microbial contamination: *Mytilus edulis* 8880
 Predation: *Mya arenaria* 5571
 Processing fishery products 8868
 Processing fishery products: *Buccinum undatum* 8869
 Processing fishery products: *Eualus macilentus* 8865
 Processing fishery products: *Pandalus borealis* 8865
 Processing fishery products: *Pandalus montagui* 8865
 Shellfish catch statistics 8865
 Shellfish catch statistics: *Pandalus borealis* 8852
 Shellfish fisheries: *Mya arenaria* 5571, 8839
 Shellfish fisheries: *Pandalus borealis* 8852
 Stock assessment: *Mya arenaria* 8839, 8840
 Water circulation 7971
 Water temperature 7971

ANW, Canada, Quebec, Baie de Chaleurs,

Benthos : *Cocconeis* 6422
 Benthos : *Diatomaceae* 6422

ANW, Canada, St.Lawrence Estuary,

Suspended matter 11391
 Vertical distribution 11391
 Water circulation 11391

ANW, Canada, St.Margaret's Bay,

Grazing: *Strongylocentrotus droebachiensis* 13398
 Horizontal distribution: *Strongylocentrotus droebachiensis* 13398
 Succession: *Algae* 13398

ANW, Canada, Toronto,

Biochemistry: *Dugesia polychroa* 5248
 Nutritional requirements: *Dugesia polychroa* 5248
 Seasonal variations: *Dugesia polychroa* 5248

ANW, Cape Cod Bay,

Check lists: *Hydrozoa* 2543
 Geographical distribution: *Hydrozoa* 2543
 Geographical distribution: *Labidocera aestiva* 6555
 Ichthyoplankton 7698
 Population dynamics: *Labidocera aestiva* 6555
 Seasonal variations: *Labidocera aestiva* 6555
 Thermocline 9040
 Water circulation 9040

ANW, Chesapeake Bay,

Bacterial diseases 12194
 Bioaccumulation: *Crassostrea virginica* 3222
 Biodegradation: *Bacteria* 8717
 Canals Dams 717
 Data collections 5782
 Heavy metals 3222, 9841
 Indicator organisms Marine pollution: *Bacteria* 1939
 Microbial contamination: *Bacteria* 12194
 Noxious organisms Guiding devices: *Chrysaora*

- quinquecirrha* 45
 Phosphorus cycle 5399, 9784
 Phytoplankton 5399
 Pollution surveys: *Bacteria* 12194
 Resource management 5782
 Sediment transport 9031
 Sediment-water interface 9056
 Sedimentation 9031, 9056
 Sewage 3222
 Temperature tolerance: *Crassostrea virginica* 7724
 Thermal pollution Legislation 717
 Tidal currents 9031
 Water analysis (chemical) 9841
 Water circulation 3771
- ANW, Chesapeake Bay, Rhode R.,**
 Geographical distribution: *Bacteria* 2881
 Indicator organisms: *Bacteria* 2881
 Seasonal variations: *Bacteria* 2881
- ANW, Chesapeake Bay,**
 Temperature tolerance: *Chrysaora quinquecirrha* 631
 Thermal pollution Temperature tolerance: *Bivalvia* 631
- ANW, Davis Strait,**
 Classification systems 11404
 Indicator organisms: *Foraminifera* 4683
 Sediments 11404
 Sediments: *Foraminifera* 4683
- ANW, Delaware Bay,**
 Benthos 4209
 Community composition: *Invertebrata* 4209
 Shellfish culture 10018
 Water circulation 5799
- ANW, Fundy Bay,**
 Development: *Clupea harengus* 10578
 Migrations: *Phocoena phocoena* 5169
 Otoliths: *Clupea harengus* 10578
 Sonic tags: *Phocoena phocoena* 5169
- ANW, Fundy Bay, Cobequid Bay,**
 Sedimentation 9936
 Tidal currents 9936
 Tides 9936
- ANW, Gand Banks,**
 Pelagic fisheries: *Mallotus villosus* 13773
 Population parameters: *Mallotus villosus* 13773
 Spawning seasons: *Mallotus villosus* 13773
- ANW, Georges Bank,**
 Fisheries 12314
 Phytoplankton 12081
 Zooplankton 12081
- ANW, Greenland,**
 Arsenic Pollution effects 3299
 Bottom topography 4715
 Fishery surveys: *Ammodytes* 3435
 Fishery surveys: *Mallotus villosus* 3435
 Geographical distribution 5882
 Ice 5882
 Ice-water interface 5882
 Migrations: *Salmonidae* 5175
 Morphology (organisms): *Pappomonas virgulosa* 6027
 New species: *Pappomonas virgulosa* 6027
- Plankton 6027
 Sea ice 7007
 Tagging: *Salmonidae* 5175
- ANW, Gulf Stream,**
 Abundance 5331
 Biomass 13378
 Current measurements Deep currents 49
 Deep currents 7013
 Diffusion 12627
 Eddies 12661, 13378
 Entrainment 12627
 Primary production 13378
 River discharge 3733
 Salinity 3733
 Turbulence 12661, 13378
 Water circulation 7014, 12661
 Water mixing 5331, 7013, 7014
 Water temperature 12627
 Zooplankton 5331
- ANW, Hudson Bay,**
 Glaciers 11383
 Lakes 11383
 Light effects: *Skeletonema costatum* 13174
 Nitrates: *Skeletonema costatum* 13174
 Photosynthesis: *Skeletonema costatum* 13174
 Respiration: *Skeletonema costatum* 13174
- ANW, Hudson Bay, East Pen Isl. Salt Marshes,**
 Vegetation cover 8495
- ANW, Jacques Cartier Strait,**
 Water temperature 4663
- ANW, James Bay,**
 Hydrography 2319
 Surveys 2319
- ANW, Labrador Current,**
 Biomass 4201
 Fisheries statistics: *Gadus morhua* 5644
 Hydrodynamics 3766
 Oceanographic data 4682
 Phytoplankton 4201
 Seasonal variations 4201
 Temperature effects: *Pleuronectidae* 5644
 Water masses 4682
 Zooplankton 4201
- ANW, Labrador Sea,**
 Bottom topography 8018
 Geochemistry 11405
 Geology 8018
 Indicator organisms: *Foraminifera* 4683
 Ocean floor 8018
 Sediment distribution 3766
 Sediments: *Foraminifera* 4683
- ANW, Long Island Sound,**
 Exploratory fishing: *Pisces* 7570
 Sampling (biological): *Pisces* 7570
 Schooling behaviour: *Ammodytes hexapterus* 10781
 Schooling behaviour: *Clupea harengus* 10781
- ANW, Maine Gulf,**
 Phytoplankton 12081
 Zooplankton 12081

ANW, Massachusetts Bay,

Bottom topography 12706

Continental shelf 12706

Geology 12706

Sediments 12706

ANW, Massachusetts, Somerset, Brayton Point,Temperature tolerance: *Mytilus edulis* 11092Thermal pollution: *Mytilus edulis* 11092**ANW, Narragansett Bay,**Community composition: *Algae* 5337

Estuaries 9037

Hydrodynamics 3780

Mathematical models 3780, 9037

Oil spills Pollution control 521

Oil spills Waste disposal 521

Plankton 9692

Pollution control 4383

Production (biological): *Algae* 5337

Salinity 9037

Seasonal variations: *Algae* 5337

Simulation 9692

Water circulation 9037

ANW, New York Bight,

Ichthyoplankton 7537

ANW, North Carolina, Onston Bay,Check lists: *Rhodophyta* 9134New records: *Rhodophyta* 9134New species: *Hypnea volubilis* 9134New species: *Petroglossum undulatum* 9134**ANW, Northumberland Strait,**Community composition: *Pisces* 12111

Fish larvae 12111

Neuston: *Pisces* 12111**ANW, Northwest Atlantic,**

Ocean dumping 6694

ANW, Scotian Shelf,Age distribution: *Merluccius bilinearis* 12431Catch effort: *Pisces* 12433

Fish catch statistics 12433

Fish catch statistics: *Merluccius bilinearis* 12431Fishing effort: *Pisces* 12433Potential yield: *Pisces* 12433Size distribution: *Merluccius bilinearis* 12431**ANW, St. Lawrence Bay,**Fossils: *Nuia* 12741Intertidal environment: *Algae* 12741Terminology: *Nuia* 12741**ANW, St. Lawrence Estuary,**

Ecosystems 11362

Fish larvae: *Mallotus villosus* 2169Fishery surveys: *Buccinum undatum* 4472, 8841Fishery surveys Seasonal variations: *Mallotus villosus* 1820Growth Mathematical models: *Pandalus borealis* 1706Ichthyoplankton surveys: *Mallotus villosus* 2169Juveniles Fishery surveys: *Mallotus villosus* 1820

Net fishing 8843

ANW, St Lawrence Estuary,New records: *Anarhichas denticulatus* 1644**ANW, St. Lawrence Estuary,**

Nutrients (mineral) 13397

ANW, St. Lawrence estuary,Population dynamics: *Crustacea* 9690**ANW, St. Lawrence Estuary,**Population structure: *Microgadus tomcod* 7489Potential yield: *Buccinum undatum* 4472

River discharge 13397

Seasonal variations 11362

Size distribution: *Buccinum undatum* 4472

Water analysis (chemical) 11362

ANW, St. Lawrence estuary,

Zooplankton 9690

ANW, St. Lawrence Gulf,Age composition: *Chlamys islandica* 8842

Chlorophylls 11214

Cruises 12619

Deep scattering layers: *Euphausiidae* 11214Demersal fisheries: *Pisces* 8846Echosounding: *Euphausiidae* 11214Exploratory fishing: *Mallotus villosus* 8845Exploratory fishing: *Pisces* 8846Fish catch statistics: *Gadus morhua* 8853, 8854Fish catch statistics: *Pleuronectidae* 8854Fishery resources: *Chlamys islandica* 13761Fishery resources: *Placopecten magellanicus* 13761

Fishery surveys 8846

Fishery surveys: *Chlamys islandica* 8842, 13761Fishery surveys: *Placopecten magellanicus* 13761Fishery surveys Seasonal variations: *Mallotus villosus* 1820

Invertebrates 8487

Isotopes 12595

Juveniles Fishery surveys: *Mallotus villosus* 1820Mathematical models: *Clupea harengus* 13331Mathematical models: *Scomber scombrus* 13331

Nutrients (mineral) 12620

Oceanographic data 12620

Organic suspended matter 5910, 12619

Oxygen 12595

Potential yield: *Chlamys islandica* 13761Potential yield: *Placopecten magellanicus* 13761Recruitment: *Chlamys islandica* 10030Recruitment: *Clupea harengus* 13331Recruitment: *Scomber scombrus* 13331Schooling behaviour: *Ammodytes hexapterus* 10781Schooling behaviour: *Clupea harengus* 10781

Sea ice 12595

Sediment analysis 5910, 12619

Sex ratios: *Mallotus villosus* 8845Sexual reproduction: *Chlamys islandica* 10030Shellfish catch statistics: *Chlamys islandica* 10030Size distribution: *Chlamys islandica* 8842, 10030Size distribution: *Mallotus villosus* 8845Stock assessment: *Gadus morhua* 8854Stock assessment: *Pisces* 8846Stock assessment: *Pleuronectidae* 8854

Water analysis (chemical) 12620

ANW, St. Lawrence Gulf, Magdalen Shallows,

Cruises 12605

Currents 12605
 Oceanographic data 12605
 Oceanographic equipment 12605

ANW, USA,

Aerial photography: *Thalassia testudinum* 11459
 Coastal zone 3769
 Cooperatives 4533
 Diversity index: *Algae* 5485
 Diversity index: *Invertebrata* 5485
 Education 3648
 Environmental effects: *Rangia cuneata* 11964
 Estuaries: *Rangia cuneata* 11964
 Feeding behaviour: *Raja* 11985
 Fisheries resources: *Cephalopoda* 6849
 Fishermen 4533
 Fishery economics 4533
 Fishery resources 4425
 Fishways: *Alosa pseudoharengus* 4402
 Food organisms: *Thalassia testudinum* 11459
 Fossils: *Mollusca* 4176
 Fuels 3818
 Geographical distribution: *Artica islandica* 12506
 Geographical distribution: *Decapoda* 3960
 Geographical distribution: *Rangia cuneata* 11964
 Geographical distribution: *Synophrya* 8599
 Growth: *Rangia cuneata* 11964
 Habitat: *Thalassia testudinum* 11459
 Habitat improvement: *Alosa pseudoharengus* 4402
 Habitat improvement: *Salmo salar* 6951, 7394
 Hydrodynamics 3769
 Keys: *Decapoda* 3960
 Methodology: *Artica islandica* 12506
 Migrations: *Cephalopoda* 6849
 Morphology (organisms): *Rhynchobothrium* 6031
 Ocean dumping 4338, 4339
 Ocean dumping Metals: *Artica islandica* 1964
 Ocean dumping Metals: *Placopecten magellanicus* 1964
 Ocean floor: *Thalassia testudinum* 11459
 Offshore technology 3818
 Palaeontology: *Mollusca* 4176
 Parasites: *Synophrya* 8599
 Pest control: *Aedes* 4410
 Pollution effects: *Artica islandica* 12506
 Pollution monitoring 5485
 Red tides Economics: *Gonyaulax tamarensis* 778
 Red tides Physiology: *Invertebrata* 755
 Red tides Poisons (biological): *Gonyaulax* 746
 Red tides Poisons (biological): *Gonyaulax tamarensis* 747
 Red tides Poisons (biological): *Mya arenaria* 747
 Red tides Public health: *Gonyaulax tamarensis* 778
 Red tides Toxicity: *Invertebrata* 755
 Research programmes 3648
 Resource development 3818
 Resource management 4425
 Sampling (biological): *Algae* 5485
 Sampling (biological): *Invertebrata* 5485
 Statistical analysis: *Artica islandica* 12506
 Stock assessment: *Illex illecebrosus* 10044
 Stomach contents: *Raja* 11985
 Subpopulation: *Crassostrea virginica* 9241

Taxonomy: *Decapoda* 3960
 Taxonomy: *Rhynchobothrium* 6031
 Territorial waters 4425
 Waste disposal 4338, 4339
 Water circulation 3769

ANW, USA, Baltimore Canyon Trough,

Continental shelf Oil spills 657
 Oil spills Dispersion 657

ANW, USA, Chesapeake Bay,

Community composition: *Bacteria* 8079
 Environmental effects: *Bacteria* 8079
 Microbial contamination 8079
 Pollution monitoring 11019
 Remote sensing 11019
 Seasonal variations: *Bacteria* 8079
 Strains: *Vibrio* 8079

ANW, USA, Chesapeake Bay, Rhode R.,

Environmental factors: *Escherichia coli* 2943
 Estuaries: *Escherichia coli* 12171
 Freshwater pollution: *Escherichia coli* 12171
 River flow: *Escherichia coli* 12171
 Survival: *Escherichia coli* 2943
 Water quality: *Escherichia coli* 12171

ANW, USA, Connecticut,

Abundance: *Littorina littorea* 7606
 Abundance: *Nassarius obsoletus* 7606
 Antibiotics: *Fungi* 4745
 Competitive behaviour: *Littorina littorea* 7606
 Competitive behaviour: *Nassarius obsoletus* 7606
 Morphology (organisms): *Turbonilla nivea* 7178
 Morphology (organisms): *Turbonilla stricta* 7178
 Pollution effects: *Bacteria* 3302
 Polymorphism: *Turbonilla* 7178
 Temperature effects: *Fungi* 4745
 Terminology: *Turbonilla* 7178
 Turbidity 3713

ANW, USA, Connecticut, Long Island Sound,

Biomass: *Spartina alterniflora* 12117
 Correlation analysis: *Spartina alterniflora* 12117
 Energy budgets: *Spartina alterniflora* 12117
 Tides: *Spartina alterniflora* 12117

ANW, USA, Connecticut, Mystic R. Estuary,

Reproduction: *Haliclona loosanoffi* 9198
 Water temperature: *Haliclona loosanoffi* 9198

ANW, USA, Connecticut, Santa Catalina I.,

Assimilation: *Parastichopsis parvimensis* 12784
 Detritus: *Parastichopsis parvimensis* 12784
 Energy flow: *Parastichopsis parvimensis* 12784
 Food conversion: *Parastichopsis parvimensis* 12784

ANW, USA, Delaware,

Check lists: *Gastropoda* 3923
 Community composition 4348
 Ecology: *Gastropoda* 3923
 Geographical distribution: *Gastropoda* 3923
 Hydrography 3923
 Migrations Salinity effects: *Fundulus heteroclitus* 1668
 New records: *Paramya subovata* 2908
 Sewage effluents 8690

- Thermal pollution 4348
Turbidity 3711
Water analysis (chemical) 8690
- ANW, USA, Delaware Bay,**
Breeding: *Aedes sollicitans* 8652
Invertebrate larvae: *Aedes sollicitans* 8652
Population dynamics: *Diatomeae* 8652
Salt marshes: *Diatomeae* 8652
- ANW, USA, Florida, Apalachee Bay,**
Pollution effects: *Pisces* 5472
- ANW, USA, Georgia,**
Deltas 9934
Estuaries 9934
Tides 9934
- ANW, USA, Hudson Estuary,**
Primary production 9878
Sewage effluents 9878
- ANW, USA, Long Island,**
Oil spills 4349
Pollution effects 4349
- ANW, USA, Long Island, Fire Island Inlet,**
Plankton 10928
- ANW, USA, Long Island Sound,**
Diffusion: *Pseudopleuronectes americanus* 5522
Fish larvae: *Pseudopleuronectes americanus* 5522
Heavy metals 9054
Horizontal distribution: *Pseudopleuronectes americanus* 5522
Recruitment: *Pseudopleuronectes americanus* 5522
Sediment analysis 9054
Sediment-water interface 9054
Tidal currents 5522
- ANW, USA, Maine,**
Ageing methods: *Mytilus edulis* 11956
Environmental effects: *Mytilus edulis* 12857
Fishery economics: *Pecten* 4369, 4370
Fishery management: *Homarus americanus* 4503, 11162
Growth rate: *Mytilus edulis* 11956
Oil pollution: *Pecten* 4370
Oil spills: *Pecten* 4369
Oil spills Chemical analysis 518
Oil spills Pollution control 518
Pigments: *Mytilus edulis* 12857
Polymorphism: *Mytilus edulis* 12857
Population dynamics: *Gonyaulax tamarensis* 7492
Population structure: *Homarus americanus* 11254
Red tides Monitoring 780
Red tides Public health 780
Red tides Shellfish 780
Regional variations: *Mytilus edulis* 12857
Shellfish culture: *Ostreidae* 12383
Stock assessment: *Homarus americanus* 11254
Taxonomy: *Gonyaulax tamarensis* 7492
- ANW, USA, Maine, Casco Bay,**
Aerobic respiration: *Mya arenaria* 11064
Carbon cycle: *Mya arenaria* 11064
Oil spills: *Mya arenaria* 11064
Oil spills Pollution control 520
Oil spills Waste disposal 520
- ANW, USA, Maine, Deer Isle, Northwest Harbor,**
Abnormalities: *Littorina littorea* 10434
Tentacles: *Littorina littorea* 10434
- ANW, USA, Maine Gulf,**
Nutrient cycles 7584
Red tides Algal blooms: *Gonyaulax tamarensis* 731
Red tides Geographical distribution: *Gonyaulax tamarensis* 731
Red tides Hydrography: *Gonyaulax tamarensis* 731
Red tides Photosynthesis: *Gonyaulax tamarensis* 740
Red tides Poisonous organisms: *Gonyaulax tamarensis* 731
Red tides Population growth: *Gonyaulax tamarensis* 740
Trophic levels 7584
- ANW, USA, Maine, Searsport,**
Marine pollution 5473
Oil pollution 5473
Sediment analysis 5473
- ANW, USA, Maryland,**
Aerial surveys 1150
Benthos 9921
Dredging 9921
Environmental effects: *Copepoda* 11137
Environmental effects: *Mya arenaria* 5534
Estuaries: *Copepoda* 11137
Feeding behaviour Environmental effects: *Rhinoptera bonasus* 1927
Intertidal environment: *Gammarus palustris* 10892
Morphology (organisms) Metabolism: *Hyphomicrobium* 1284
Navigation regulations 6777
Phytoplankton: *Copepoda* 11137
Plankton: *Copepoda* 11137
Population dynamics: *Gammarus palustris* 10892
Red tides Aerial surveys 735
Red tides Population parameters: *Ceratium furca* 741
Red tides Population parameters: *Gymnodinium nelsonii* 741
Red tides Population parameters: *Gymnodinium splendens* 741
Red tides Population parameters: *Katodinium rotundatum* 741
Red tides Population parameters: *Prorocentrum minimum* 741
Red tides Rivers 735
Seasonal variations Metals: *Crassostrea virginica* 1981
Stock assessment: *Mya arenaria* 5534
Suspended matter: *Copepoda* 11137
Water temperature 1150
- ANW, USA, Maryland, Alberni Inlet,**
Halocline 12614
- ANW, USA, Maryland, Baltimore Harbour,**
Carbohydrates: *Bacteria* 4742
Chemical pollutants: *Bacteria* 4742
Seasonal variations: *Bacteria* 4742
Sediments Metals 1966
- ANW, USA, Maryland, Chesapeake Bay,**
Biodegradation Oil pollution 574
Deep currents 11280
Methodology 4280

- Microorganisms Biodegradation 574
 Microorganisms Oil spills 574
 Migrations: *Morone saxatilis* 10740
 Oil pollution 4280
 Oil pollution Sediment analysis 574
 Palaeontology 11280
 Palynology 11280
 Pollution surveys Research programmes 1101
 Sediment analysis 4280
 Tagging: *Morone saxatilis* 10740
 Water temperature 11280
- ANW, USA, Maryland, Patuxent estuary,**
 Production (biological) 12121
 Suspended matter 12121
- ANW, USA, Maryland, Patuxent R.,**
 Estuaries 9763
 Nekton 9763
 Primary production 7680
 Production (biological) 9763
 Sewage: *Algae* 7680
 Thermal pollution 9763
 Waste water 7680
- ANW, USA, Maryland, Patuxent R. Estuary,**
 Nutritional requirements Carbon: *Eurytemora affinis* 3125
- ANW, USA, Maryland, Potomac estuary,**
 Hydrology 9085
 Salinity 9085
 Water mixing 9085
- ANW, USA, Maryland, Rhode R. Estuary,**
 Phosphates: *Algae* 10972
 Phosphates: *Bacteria* 10972
- ANW, USA, Massachusetts, Mt. Hope Bay,**
 New records Symbiosis: *Caprella equilibra* 1628
- ANW, USA, Massachusetts,**
 Abundance: *Chondrus crispus* 4165, 7686, 7699, 9664
 Abyssal zone: *Neotanaidæ* 6152
 Aerial surveys 7652, 7653
 Algal blooms Oceanographic data: *Gonyaulax tamarensis* 729
 Antifouling substances 7650
 Benthos 3795, 4208, 7687, 7690, 7693, 7694
 Benthos: *Algae* 4207
 Community composition 3740, 7687, 7690, 7693, 7694
 Condition factor: *Chondrus crispus* 9668
 Current measurements 7657, 9032
 Diseases: *Brevortia tyrannus* 4156, 7459
 Dispersion: *Pseudopleuronectes americanus* 3747, 9928
 Dissolved oxygen 4312, 7649, 7654, 7655, 7656, 9927
 Ecosystems 3740
 Fisheries resources 4476
 Fishery economics 4534
 Fishery resources 4534
 Horizontal distribution: *Gastrotricha* 9515
 Hydroacoustics 1154
 Ichthyoplankton 4178, 9925, 9926
 Larvae: *Pseudopleuronectes americanus* 9928
 Mortality causes: *Brevortia tyrannus* 4156, 7459
 New species: *Neotanaidæ* 6152
 Nitrogen 7654
- Nuclear energy 7697
 Oil pollution Bioassays: *Mercenaria mercenaria* 516
 Oil pollution Chromatographic techniques: *Mercenaria mercenaria* 516
 Plankton 4178, 7511, 9925, 9926
 Poisons (biological) Toxicity: *Gonyaulax tamarensis* 761
 Pollution effects 4178, 4208, 4394, 7511, 9920, 9923, 9925, 9926
 Pollution effects: *Brevortia tyrannus* 7744
 Pollution effects: *Chondrus crispus* 4165
 Pollution surveys 9924
 Population parameters: *Chondrus crispus* 4165
 Population structure: *Lacuna vincta* 5296
 Red tides Chemical analysis: *Mercenaria mercenaria* 751
 Red tides Marketing: *Gonyaulax tamarensis* 772
 Red tides Oceanographic data: *Gonyaulax tamarensis* 729
 Red tides Physiology: *Amphidinium carterae* 751
 Red tides Poisonous organisms: *Gonyaulax excavata* 742
 Red tides Poisons (biological): *Amphidinium carterae* 751
 Red tides Poisons (biological): *Mercenaria mercenaria* 751
 Red tides Public health: *Gonyaulax tamarensis* 772
 Red tides Taxonomy: *Gonyaulax excavata* 742
 Research programmes 4390, 4391
 Sediment analysis 3740, 3795
 Sediment analysis Hydroacoustics 1235
 Sediment analysis Sediment structure 1235
 Sex ratios: *Lacuna vincta* 5296
 Sound transmission 1154
 Surveys 4394, 7744
 Thermal plumes 7648, 7651, 7652, 7653, 9842
 Thermal pollution 4156, 4208, 4312, 4394, 7459, 7648, 7649, 7654, 7655, 7688, 7689, 7691, 7692, 7696, 7744, 9920, 9923, 9924, 9928
 Thermal pollution: *Chondrus crispus* 7699, 9668
 Water analysis (chemical) 3740
 Water circulation 3747, 9928
 Water quality 3795
 Water temperature 9842
- ANW, USA, Massachusetts, Buzzards Bay,**
 Mud 9793
 Nutrient cycles 9793
 Organic suspended matter 9793
- ANW, USA, Massachusetts, Chatham Harbor Estuary,**
 Deltas 9933
 Sediment transport 9933
 Sedimentation 9933
- ANW, USA, Massachusetts, Coate Beach,**
 Coastal erosion 9929
 Lagoons 9929
 Sediment transport 9929
 Topography 9929
- ANW, USA, Massachusetts, Hingham Bay,**
 Fisheries resources 4536
 Fishery economics 4536
- ANW, USA, Massachusetts, Merrimack embayment,**
 Sedimentation 9060

ANW, USA, Massachusetts, Merrimack R.,
Coastal zone 9028
Deltas 9028
Hydrodynamics 9028
Hydrography 9028

ANW, USA, Massachusetts, Nahant Bay,
Thermal stratification Winds 80
Water mixing Thermal stratification 80

ANW, USA, Massachusetts, Taunton River-Mount Hope Bay Estuary,
Fisheries resources 4489
Fishery economics 4489
Marine pollution 4489

ANW, USA, Massachusetts, Wellfleet Harbor,
Fisheries resources 4488
Fishery economics 4488

ANW, USA, Massachusetts, West Falmouth,
Benthos Pollution effects 625
Oil spills Benthos 625
Oil spills Communities 625
Oil spills Pollution effects 625

ANW, USA, Middle Atlantic Bight,
Ocean dumping Continental shelf 4337
Ocean dumping Hydrography 4337
Ocean dumping Plankton 4337
Ocean dumping Sediment analysis 4337
Ocean dumping Water quality 4337
Waste disposal Ocean dumping 4337

ANW, USA, Mississippi,
Fishery biology: *Callinectes sapidus* 7862
Shellfish fisheries: *Callinectes sapidus* 7862

ANW, USA, Mississippi Sound,
Erosion control 9949
Sediment transport 9949
Sedimentation 9949

ANW, USA, New England,
Fisheries : *Homarus americanus* 7198
Life cycle: *Homarus americanus* 7198
Marine ecology: *Homarus americanus* 7198

ANW, USA, New Hampshire,
Indicator organisms Community composition:
Protozoa 1684
Indicator organisms Estuaries: Protozoa 1684
Indicator organisms Geographical distribution:
Protozoa 1684
Indicator organisms Population parameters:
Protozoa 1684
Poisons (biological) Toxicity: *Gonyaulax tamarensis* 761
Red tides Monitoring: *Gonyaulax tamarensis* 779
Red tides Oceanographic data: *Gonyaulax tamarensis* 729
Red tides Public health: *Gonyaulax tamarensis* 779
Water pollution Indicator organisms: Protozoa 1684

ANW, USA, New Hampshire, Newcastle I.,
Grazing: *Lacuna vincta* 5262
Grazing: *Laminaria* 5262

ANW, USA, New Jersey,
Benthos: *Pseudopleuronectes americanus* 12404
Bottom topography 8030
Development: *Pomatomus saltatrix* 10579
Ecological distribution: *Paralichthys dentatus* 4171
Eutrophication 3075
Fish catch statistics: *Paralichthys dentatus* 4166
Fish larvae: *Paralichthys dentatus* 4171
Fishery surveys 12404
Geology 8030
Marketing: *Paralichthys dentatus* 4166
Morphology (organisms): *Pomatomus saltatrix* 10579
Nuclear energy 4389
Offshore technology 5520, 5521
Oil pollution Wind-driven currents 76
Phytoplankton 3075
Pollution effects 3075, 5520
Population structure: *Morone saxatilis* 4167
Scales: *Pomatomus saltatrix* 10579
Sedimentation 8030
Size distribution: *Morone saxatilis* 4167
Thermal pollution 4389, 5521

ANW, USA, New Jersey, Barnegat Bay,
Benthos: *Pectinaria gouldii* 9670
Habitat: *Pectinaria gouldii* 9670
Population density: *Pectinaria gouldii* 9670, 9670
Thermal pollution Pollution effects: *Mercenaria mercenaria* 645

ANW, USA, New Jersey, Great Bay Marsh,
Predation: *Uca pugnax* 11095

ANW, USA, New York,
Aerial surveys 3684
Bottom topography 12705
Chemical oceanography 3742
Continental shelf 12705
Diseases: *Crangon septemspinosa* 3014
Embryology: *Pseudopleuronectes americanus* 5195
Erosion control 3790
Geology 12705
Nitrogen 3742
Ocean floor 12705
PCB: *Aves* 7722
Phosphorus 3742
Physical oceanography 3725
Phytoplankton 4177
Pollutants 7665
Pollution effects: *Crangon septemspinosa* 3014
Pollution effects: *Crustacea* 3301
Red tides Economics: *Gonyaulax tamarensis* 778
Red tides Public health: *Gonyaulax tamarensis* 778
Red tides Shellfish fisheries: *Gonyaulax tamarensis* 778
Salinity 3725
Salt marshes Conservation of natural resources: *Spartina alterniflora* 2039
Salt marshes Resource management: *Spartina alterniflora* 2039
Salt marshes Tides: *Spartina alterniflora* 2039
Salt marshes Water level: *Spartina alterniflora* 2039
Sediment analysis 7665
Sediment transport 3790
Sewage: *Bacteria* 5456
Sewage effluents: *Crustacea* 3301
Suspended matter 4177
Temperature effects: *Pseudopleuronectes*

- americanus* 5195
Trace constituents: *Aves* 7722
Water temperature 3725
- ANW, USA, New York Bight,**
Conservation of natural resources 6750
Erosion 3789
Geographical distribution: *Tintinnida* 5293
Hydrodynamics Mathematical models 595
Marine engineering 6750
Oceanography 6750
Offshore technology 6750
Primary production 9878
Seasonal variations: *Tintinnida* 5293
Sewage effluents 9878
Waste disposal Mathematical models 595
Water pollution Dispersion 595
Water pollution Mathematical models 595
- ANW, USA, New York, Gardiners Island,**
Ageing methods: *Cliona celata* 8135
Ecology: *Cliona celata* 8135
Geographical distribution: *Cliona celata* 8135
Growth rate: *Cliona celata* 8135
- ANW, USA, New York, Jamaica Bay,**
Mathematical models 3768
Tides 3783
Water level 3783
Water quality 3768
- ANW, USA, New York, Jamaica Bay, Rockaway Inlet,**
Engineering 12267
Water quality 12267
- ANW, USA, New York, Long Island, Flax Pond,**
Growth: *Ascophyllum nodosum* 10816
Horizontal distribution: *Ascophyllum nodosum* 10718
Salt marshes: *Ascophyllum nodosum* 10718
- ANW, USA, New York, Long Island Sound,**
Deep currents 11382
Estuaries 11376
Hydrography 11376
Sediment transport 11382
Tides 11376
Turbidity currents 11382
Water circulation 11376
- ANW, USA, New York, Montauk,**
Regional variations: *Pinnotheres maculatus* 13410
Symbionts: *Mytilus edulis* 13410
Vertical distribution: *Pinnotheres maculatus* 13410
- ANW, USA, North Carolina,**
Benthos: *Harpacticoida* 8252
Biodegradation: *Bacteria* 11046
Biogeography: *Pogonophora* 4064
Biogeography: *Sipuncula* 4064
Biomass: *Zostera marina* 12146
Breeding: *Callianassa major* 9297
Check lists: *Phaeophycophyta* 8089
Coastal erosion 9935
Coastal zone 10133
Community composition New records: *Algae* 1620
Deltas 9935
Ecology: *Zostera marina* 12146, 12147
- Energy flow: *Zostera marina* 12147
Energy flow: *Zostera marina* 12146
Erosion control 9952
Erosion control: *Spartina alterniflora* 4421, 9948
Feeding: *Brevoortia tyrannus* 9792
Feeding: *Lagodon rhomboides* 9792
Feeding: *Leiostomus xanthurus* 9792
Feeding: *Paralichthys lethostigmata* 9792
Fish catch statistics 11230
Food composition: *Emerita talpoida* 10831
Food composition: *Ocyrode quadrata* 10831
Fossils: *Callianassa major* 9297
Fossils Diversity index: *Ostracoda* 2242
Gear selectivity: *Penaeus aztecus* 4454
Geographical distribution: *Algae* 11868
Geographical distribution: *Ceramiales* 10714
Geographical distribution: *Hyalophysa* 8598
Geographical distribution: *Phaeophycophyta* 8089
Habitat improvement: *Spartina alterniflora* 4421
Hydrodynamics 9935
Life cycle Length-weight relationships: *Lobotes surinamensis* 2745
New records: *Acronosorium uncinatum* 10714
New records: *Mesothamnion boergeseni* 10714
New records: *Opistognathus melachasma* 7252
New records: *Rhododictyon bermudensis* 10714
New species: *Asymmetrione desultor* 2675
New species: *Dipterosiphonia reversa* 10714
New species: *Hyalophysa trageri* 8598
New species: *Interleptomesochra boguyensis* 8252
New species: *Leptastacus jenneri* 8252
New species: *Noodtiella enertha* 8252
New species: *Pseudoleptomesochrella bisetosa* 8252
New species: *Pyloscamptus carolinensis* 8252
Oils 11046
Palaeontology: *Ophiomorpha nodosa* 9297
Parasites: *Gymnodinioides* 8598
Parasites: *Hyalophysa* 8598
Plankton: *Bacteria* 10921
Predation: *Ocyrode quadrata* 10831
Primary production: *Bacteria* 10921
Primary production: *Zostera marina* 12147
Production (biological): *Brevoortia tyrannus* 9792
Production (biological): *Lagodon rhomboides* 9792
Production (biological): *Leiostomus xanthurus* 9792
Production (biological): *Paralichthys lethostigmata* 9792
Remote sensing 10133
Salt marshes: *Spartina alterniflora* 9948
Satellites 10133
Sediment analysis Continental shelf 1237
Sediment transportation 9935
Sediments 10133
Sexual dimorphism: *Opistognathus melachasma* 7252
Sport fishing 11230
Tides 3786, 9935
Trawl nets: *Penaeus aztecus* 4454
Water analysis (biological): *Bacteria* 10921
Water levels 3786
- ANW, USA, North Carolina, Albemarle Sound,**
Nekton 4230

ANW, USA, North Carolina, Beaufort,Competitive behaviour: *Clibanarius vittatus* 2952Competitive behaviour: *Pagurus longicarpus* 2952

Ecosystems 9795

Epiphytes: *Zostera marina* 4760, 6608

Estuaries 9795

Metals 9795

Nutrient cycles 9795

Seasonal variations: *Zostera marina* 4760**ANW, USA, North Carolina, Cape Lookout Bight,**

Anoxic conditions 10177

Benthos 10177

Gases 10177

ANW, USA, North Carolina, Masonboro Inlet,

Coastal zone 9930

Sediment transport 9025

Simulation 9025

ANW, USA, North Carolina, Newport R.,Bioaccumulation: *Lagodon rhomboides* 9865Bioaccumulation: *Leiostomus xanthurus* 9865Community composition: *Zostera marina* 9743Heavy metals: *Brevoortia tyrannus* 9865Heavy metals: *Lagodon rhomboides* 9865Heavy metals: *Leiostomus xanthurus* 9865

Sediment analysis 9057

ANW, USA, North Carolina, Onslow Bay,Biogeography: *Algae* 4759Continental shelf: *Algae* 5980New records: *Algae* 5980New species: *Branchioglossum minutum* 4759, 5980New species: *Gloioderma blomquistii* 4759, 5980**ANW, USA, North Carolina, Pamlico R.,**

Estuaries 7041

Nitrogen cycle 9789

Nutrient cycles 9789

Phosphorus cycle 9789

Sediment analysis 7041

Trace constituents 7041

Water pollution 7041

ANW, USA, North Carolina, Pamlico R. Estuary,

Eutrophication 2380

Nitrogen 2380

Nutrients (mineral) 2380

Phosphorus 2380

ANW, USA, North Carolina, Pamlico Sound,

Coastal erosion Aerial photography 1213

Sediment structure Lagoons 1239

Sedimentology Coastal zone 1238

Sedimentology Sediment structure 1238

ANW, USA, Pennsylvania,Biological rhythms: *Clemmys guttata* 8421Feeding behaviour: *Clemmys guttata* 8421Population dynamics: *Clemmys guttata* 8421Reproduction: *Clemmys guttata* 8421**ANW, USA, Pennsylvania, Indian Creek,**

Ecosystems 12169

Environmental effects 12169

Mathematical models 12169

ANW, USA, Philadelphia,Industrial wastes: *Pelecypoda* 12172Methodology: *Pelecypoda* 12172Pollution effects: *Pelecypoda* 12172Sewage: *Pelecypoda* 12172Statistical analysis: *Pelecypoda* 12172**ANW, USA, Raritan Bay,**

Benthos 4206, 4221

Community composition: *Invertebrata* 4206, 4221**ANW, USA, Rhode Is.,**Metabolism: *Mercenaria mercenaria* 2652Metabolism: *Mya arenaria* 2652Oil pollution: *Mercenaria mercenaria* 2652Oil pollution: *Mya arenaria* 2652**ANW, USA, Rhode Island,**

Channels 11124, 11127

Check lists: *Aves* 10659Check lists: *Mammalia* 10659Check lists: *Pisces* 4441Check lists: *Reptilia* 10659

Commercial fishing 4441

Environmental effects 4397

Fisheries surveys 4441

Fishing grounds 4441

Geology 10210

Hydraulics 11125

Mathematical models 11126

Nuclear energy 11125, 11141

Oil pollution Bioassays: *Mercenaria mercenaria* 516Oil pollution Chromatographic techniques: *Mercenaria mercenaria* 516

Oil spills 4310

Sediment transport 10210

Sedimentation 7042

Suspended matter 7042

Thermal pollution 11125, 11141

Tidal currents 11127

Transportation 11124

Water circulation 11126, 11127

ANW, USA, Rhode Island, Charlestown Pond,

Channels 11128

Lagoons 11128

Water circulation 11128

ANW, USA, South Carolina,Community composition: *Pisces* 12941Intertidal environment: *Pisces* 12941Seasonal variations: *Pisces* 12941**ANW, USA, South Carolina,**Abnormalities: *Scorpaena agassizi* 2916Abundance: *Mercenaria mercenaria* 11604

Benthic zone 5546

Benthos 5546

Benthos: *Copepoda* 5364

Coastal erosion 5546

Community composition: *Mercenaria mercenaria* 11604Electron microscopy: *Thalassiosira* 7084

Erosion control 5546

Estuaries 9766, 9840

Estuaries: *Mercenaria mercenaria* 11604

Fish catch statistics 11230

Geographical distribution: *Algae* 11868

Growth: *Crassostrea* 4497

Heavy metals 9840

Hydrography 5546

Mathematical models: *Crassostrea* 4497

Methodology 9766

New records: *Ectreposeabastes imus* 2916

New records: *Pontinus nematophthalmus* 2916

New records: *Scorpaenodes tredecimspinosus* 2916

New species: *Enhydrosoma baruchi* 1440

New species: *Halectinosoma winonae* 1440

New species: *Heteropsyllus nunni* 1440

Nutrient cycles 9790

Phytoplankton 9766

Primary production 9766

Reproduction: *Copepoda* 5364

Salt marshes 9840, 10202

Sediment structure: *Thalassiosira* 7084

Sediment transport 10202

Sport fishing 11230

Suspended matter 10202

Suspended matter: *Thalassiosira* 7084

Temperature effects 9766

ANW, USA, South Carolina, North Inlet,

Ecosystems: *Crassostrea virginica* 10994

Energy flow: *Crassostrea virginica* 10994

ANW, USA, Texas, Padre I.,

Erosion control: *Gramineae* 9950

ANW, USA, Virginia,

Abundance Fish larvae: *Glyptocephalus cynoglossus* 2174

Biomass: *Angiospermae* 8092

Blood cells: *Crassostrea virginica* 8216

Coasts 11138

Correlation analysis: *Angiospermae* 8092

Environmental effects 11138

Estuaries 11138

Eutrophication Salt marshes 60

Fish larvae: *Glyptocephalus cynoglossus* 2174

Marshes 4426

Mortality causes: *Crassostrea virginica* 8216

New species: *Hyalodiscidae* 164

New species: *Rhinopterocola megacantha* 6032

New species: *Thecamoebidae* 164

Nursery grounds: *Glyptocephalus cynoglossus* 2174

Parasites: *Callinectes sapidus* 10863

Parasites: *Rhinoptera bonasus* 6032

Parasites: *Rhinopterocola megacantha* 6032

Pollution 11138

Production (biological): *Angiospermae* 8092

Salinity effects: *Angiospermae* 8092

Salt marshes: *Angiospermae* 8092

Taxonomy: *Minchinia* 10863

Taxonomy: *Urosporidium* 10863

Tumours: *Crassostrea virginica* 8216

Water resources 11138

ANW, USA, Virginia, Chesapeake Bay,

Abundance: *Zostera marina* 11458

Aerial photography: *Zostera marina* 11458

Annual variations: *Zostera marina* 11458

ANW, USA, Virginia, Chincoteague Bay,

Bacterial diseases: *Callinectes sapidus* 13298

Cytology: *Callinectes sapidus* 12003

Seasonal variations: *Bacteria* 13298

Seasonal variations: *Callinectes sapidus* 13298

Viral diseases: *Callinectes sapidus* 12003

ANW, USA, Virginia, Delmarva Peninsula,

Bathymetric charts 9932

Coastal zone 9932

Environmental effects 9932

Water waves 9932

ANW, USA, Virginia, Lafayette R.,

Phytoplankton 6573

Seasonal variations 6573

ANW, USA, Virginia, Plum Creek,

Oil pollution 12235

Oil spills 12235

Pollution effects 12235

ANW, USA, Virginia, Wachapreague Inlet,

Coastal zone 9931

Sediment transport 9027, 9931

Tides 9027

Water waves 9027

ANW, USA, Virginia, Wallops I.,

Environmental effects: *Donax fosser* 11890

Migrations: *Donax fosser* 11890

Sampling (biological): *Donax fosser* 11890

Tides: *Donax fosser* 11890

ANW, USA, Virginia, York R.,

Geographical distribution: *Mnemiopsis leidyi* 10993

Geographical distribution Salinity effects: *Microgobius thalassinus* 1677

Predation: *Mnemiopsis leidyi* 10993

Argentina,

Biological control: *Neochetina bruchi* 13514

Biology: *Orthogalumna terebrantis* 11709

Food organisms: *Neochetina bruchi* 13514

Plant control: *Eichhornia crassipes* 11709, 12924, 13514

Plant control: *Orthogalumna terebrantis* 11709

Reproduction: *Orthogalumna terebrantis* 11709

Argentina, Buenos Aires, Mar del Plata,

Microbiology Water pollution 1962

Argentina, Chubut, Puelo L.,

Check lists: *Bacillariophyceae* 3845

Habitat: *Bacillariophyceae* 3845

Morphology (organisms): *Bacillariophyceae* 3845

Phytoplankton 3845

Argentina, Parana R.,

Abundance 6590

Keys: *Naididae* 6042

Morphology (organisms): *Naididae* 6042

Seston 6590

Turbidity 6590

Argentina, Rio Tercero Reservoir,

Bathymetric charts 5932

Sedimentation 5932

Sedimentology 5932

Argentina, Santa Fe,

Check lists: *Oligochaeta* 10960

Argentina, Santa Fe, R.Parana,

Biotopes: *Phrynos geoffroanus* 6350

Communities: *Angiospermae* 6350

Water analysis (chemical) 6350

Water level 6350

AS,
Biogeography: *Pontellina plumata* 5136

Cruises 8936

Cruises Marine ecology 2297

Cruises Physical oceanography 2297

Development: *Copepoda* 3034

Dissolved oxygen 7004

Distributional charts: *Pontellina plumata* 5136

Environmental effects 7541

Fecundity: *Copepoda* 3034

Fish larvae: *Exocoetidae* 7242

Fish larvae: *Notolychnus valdiviae* 6226

Geographical distribution Cruises: *Asterida* 158

Hydrography 4678

Marine ecology 8936

Marine ecology: *Copepoda* 3034

Metabolic rate: *Copepoda* 2720

Morphology: *Thunnus thynnus* 13764

New species: *Benthopecten chardyi* 158

New species: *Dytaster cherbonnieri* 158

Ontogeny: *Notolychnus valdiviae* 6226

Physical properties 8936

Phytoplankton 7516

Plankton 7541, 8936

Primary production 7541

Production (biological) 5347, 8936

Reproduction rate: *Copepoda* 3034

Respiratory quotient: *Copepoda* 2720

Seston 5347

Stock identification: *Thunnus thynnus* 13764

Taxonomy: *Exocoetidae* 7242

Taxonomy Morphology (organisms) Meristic counts:

Bonapartia pedaliota 11740

Taxonomy Morphology (organisms) Meristic counts:

Margrethia obtusirostra 11740

Water temperature 6996

AS, Atlantic Equatorial Undercurrent,

Deep currents 7021

Mathematical models 7021

Water circulation 7021

AS, Equatorial Counter Current,

Currents Winds 91

AS, North Equatorial Current,

Mathematical models 11372

Phytoplankton 12066

Water circulation 11372

AS, South Equatorial Current,

Current measurements 11385

Mathematical models 11372

Phytoplankton 12066

Water circulation 11372

ASE,

Aerobic bacteria 7382

Age composition: *Katsuwonus pelamis* 12421

Biogeography: *Fungi* 7381

Biotope: *Pisces* 11748

Check lists: *Pisces* 11748, 11749

Chlorophylls 7526

Conservation: *Monachus monachus* 13072

Continental slope: *Pisces* 11748, 11749

Correlation analysis: *Copepoda* 7526

Data acquisition: *Thunnus* 13803

DDT 3278

DDT: *Mytilus* 3278

Diffusion 12599

Dust 4692

Environmental effects: *Scombridae* 11919

Fish catch statistics: *Katsuwonus pelamis* 12420

Fish catch statistics: *Thunnus thynnus* 13799

Fish larvae: *Thunnus albacares* 12027

Fisheries 5559

Fisheries: *Scombridae* 5558

Fisheries: *Thunnus thynnus* 3447

Fisheries data: *Pisces* 985, 986

Fisheries data: *Thunnus* 13803

Fisheries resources 7526

Fisheries statistics Industrial exchange 979

Geographical distribution: *Cyprinodontidae* 7240

Geographical distribution: *Mollusca* 7375

Geographical distribution: *Pomatoschistus*

norvegicus 7259

Geographical distribution Morphology (organisms):

Scomberesox 253

Growth: *Katsuwonus pelamis* 11951

Growth: *Thunnus alalunga* 13317

Larvae: *Sarda orientalis* 11888

Length-weight relationships: *Thunnus* 12024

Manganese 4692

Marine ecology: *Scombridae* 11919

Mathematical models 12599, 12637

Microorganisms 3212

Morphology (organisms): *Pomatoschistus*

norvegicus 7259

Morphology (organisms): *Rivulinae* 7240

New records: *Ariomma melanum* 9382

New records: *Chlamidoselachus anguineus* 6434

New records: *Diaphus adenomus* 6234

New species: *Ariomma helena* 9382

New species: *Bathyclupea elongata* 6736

New species: *Emmelichthys ruber* 9382

New species: *Holanthias caudalis* 9382

New species: *Planctanthias longifilis* 9382

New species: *Searsiidae* 11738

Pesticides 3278

Phosphorus 2371

Physiology: *Maja squinado* 11884

Phytoplankton 7526

Potential yield: *Katsuwonus pelamis* 12440

Racial studies: *Katsuwonus pelamis* 11951

Recruitment: *Katsuwonus pelamis* 12440

Research programmes 1103

Salinity 12599

Sediment analysis Geochemistry 1229

Size distribution: *Katsuwonus pelamis* 12421

Size distribution: *Thunnus alalunga* 13317
 Spawning grounds Spawning seasons: *Thunnus albacares* 12027
 Spawning migrations: *Thunnus thynnus* 2931
 Stock assessment: *Katsuwonus pelamis* 12440
 Stock assessment: *Monachus monachus* 13072, 13072
 Stomach contents: *Galeorhinus galeus* 1747
 Stomach contents: *Mustelus mustelus* 1747
 Stomach contents: *Spinax spinax* 1747
 Stomach contents: *Squalus acanthias* 1747
 Stomach contents: *Squalus ferdinandus* 1747
 Suspended matter 2371
 Sympatric populations: *Rivulinae* 7240
 Taxonomy: *Pisces* 11748, 11749
 Taxonomy: *Pomatoschistus norvegicus* 7259
 Taxonomy: *Scomberesox* 253
 Taxonomy: *Searsiidae* 11738
 Upwelling 7012
 Water analysis (chemical) 2371
 Water circulation 7012, 12637
 Water masses 10180
 Yield: *Katsuwonus pelamis* 12420
 Zoogeography: *Mollusca* 7375
 Zooplankton 7526

ASE, Adriatic,

Annual variations: *Clupea pilchardus* 6870
 Autecology: *Sipuncula* 11542
 Benthos 4638, 12100
 Benthos: *Algae* 11464
 Biodegradation: *Fungi* 5951
 Biometrics: *Raja clavata* 10878
 Catch statistics: *Clupea pilchardus* 6870
 Check lists: *Ampeliscidae* 10471
 Check lists: *Didemnidae* 5162
 Check lists: *Sipuncula* 11542
 Communities Lagoons: *Algae* 3098
 Community composition: *Algae* 10927, 11464
 Community composition: *Copepoda* 5484
 Conservation 12298
 Correlation analysis: *Clupea pilchardus* 6870
 Ecology 12100, 12298
 Fisheries resources 12335
 Fisheries statistics 12335
 Fishery statistics 5633
 Fishery surveys 11204
 Fishing grounds 12335
 Food organisms: *Merluccius merluccius* 13239
 Gear selectivity: *Pisces* 9981
 Geographical distribution: *Aega stromi* 10720
 Geographical distribution: *Automate branchialis* 2896
 Geographical distribution: *Chaetognatha* 9689
 Geographical distribution: *Sipuncula* 11542
 Geographical distribution Seasonal variations: *Clausocalanus* 1654
 Geology 12100
 Growth: *Anguilla* 13311
 Growth: *Chamelea gallina* 9611
 Growth: *Ensis minor* 9611
 Growth rate: *Callista chione* 6473
 Heavy metals 11047
 Interstitial environment 2375

Keys: *Ampeliscidae* 10471
 Marketing 5710, 5711
 Mathematical models 9034
 Morphology (organisms): *Ampeliscidae* 10471
 Morphology (organisms): *Raja clavata* 10878
 New record: *Clausocalanus tobei* 1654
 New records: *Ampelisca gibba* 10471
 New records: *Ampelisca tenuicornis* 10471
 New records: *Endeis charybdaea* 2919
 Oils 3243
 Phenols 3243
 Phenols: *Fungi* 5951
 Phytoplankton 10927, 10927
 Pollution effects: *Copepoda* 5484
 Pollution surveys 3243
 Population dynamics Life cycle: *Copepoda* 1418
 Population dynamics Life cycle: *Evadne nordmanni* 1420
 Population parameters: *Anguilla* 13311
 Primary production Mathematical models 1920
 Research institutions Cruises 1112
 Research programmes International exchange 2277
 Resource management 12100, 12298
 Salinity 2325
 Seasonal variations: *Algae* 11464
 Sediment-water interface 2375
 Sexual maturity: *Raja clavata* 10878
 Shells: *Tivela stultorum* 6473
 Size distribution: *Raja clavata* 10878
 Solar radiation: *Clupea pilchardus* 6870
 Statistical analysis: *Raja clavata* 10878
 Stock assessment: *Pisces* 11204
 Succession: *Algae* 11464
 Trace constituents 11047
 Trawling 12335
 Trawling: *Pisces* 9981
 Water circulation 9034
 Water temperature 2325
 Zooplankton 9689

ASE, Adriatic, Ancona,

Tide tables 1205

ASE, Adriatic, Banjole I.,

Autecology: *Amphipoda* 5202
 Autecology: *Pycnogonida* 5202
 Morphology: *Anoploactylus robustus* 5202

ASE, Adriatic, Porto Corsini,

Tide tables 1204

ASE, Adriatic, Taranto,

Tide tables 1206

ASE, Adriatic, Trieste,

Tide tables 1203

ASE, Aegean,

Ecology: *Copepoda* 1871
 Geographical distribution: *Mysidacea* 4197
 Geographical distribution: *Paragalene longicrura* 6409
 Geographical distribution Abundance: *Mysidacea* 1653
 Geographical distribution Seasonal variations: *Cladocera* 338
 New species: *Rhaphostomellina posidoniae* 8141
 Seasonal variations: *Mysidacea* 4197

Sediment analysis 9079
Submarine volcanoes 9079
Taxonomy: *Rhamphostomellina posidoniae* 8141
Zooplankton 4197
Zooplankton Geographical distribution 1872
Zooplankton Seasonal variations 1872

ASE, Aegean Is., Rhodes,
Check lists: *Decapoda* 10470
Check lists: *Gastropoda* 4873
Cruises 10470
Geographical distribution: *Decapoda* 10470
Geographical distribution: *Halophila stipulacea* 7354
Littoral zone: *Gastropoda* 4873
New records: *Decapoda* 10470

ASE, Aegean, Petalion Gulf,
Phytoplankton 1870

ASE, Africa,
Aerial surveys 9002
Fisheries resources: *Thunnus* 7867
Juveniles: *Paraholthymia cyanocephala* 9378
Mineral resources 7059
New species: *Talismania grandisquamis* 9377
Phosphates 2348
Plankton 7529
Primary production 7580
Production (biological) 7580
Shellfish fisheries Population studies: *Panulirus regius* 2157
Size distribution Growth: *Panulirus regius* 1702
Symbiosis: *Cuna gambiensis* 8667
Symbiosis: *Monobrachium drachi* 8667
Underwater exploration 7059
Upwelling 2348, 7580
Water circulation 2348
Water temperature 9002
Winds 2348
Zooplankton 7528

ASE, Africa coasts,
Commercial species 13484
Marine pollution 13484
Mercury: *Clupeidae* 13484
Mercury: *Crustacea* 13484
Mercury: *Pisces* 13484

ASE, Africa, northwest,
Bibliographic information 13945
Distributional charts: *Pisces* 13573
Fish catch statistics 13573
Fisheries resources 13573
Fishing grounds 13573

ASE, Africa, northwest coast,
Catching methods: *Scombridae* 12325
Fish catch statistics: *Scombridae* 12325
Line fishing: *Scombridae* 12325
Size distribution: *Thunnus* 12022
Water temperature 12325

ASE, Africa, west coast,
Catch effort: *Scombridae* 12413
Fish catch statistics: *Scombridae* 12413

Fisheries data: *Scombridae* 12413
Fishing vessels 12413
Size distribution: *Scombridae* 12413
ASE, African coast,
Catch effort: *Merluccius* 13814
Fishery surveys 12557
Fishery surveys: *Cephalopoda* 12557
Landing statistics: *Merluccius* 13814
Oceanographic surveys 12557

ASE, Alboran Sea,
Commercial species 7840
Exploratory fishing: *Trachyrhynchus scabrus* 7840
Fishing industry 7840
Geographical distribution: *Trachyrhynchus scabrus* 7840
Tectonics 101
Yield: *Trachyrhynchus scabrus* 7840

ASE, Alexandria Sea,
Marine ecology: *Appendicularia* 1603

ASE, Algeria,
Fishery surveys 7849
Resource development: *Pisces* 7849
Stock assessment: *Pisces* 7849

ASE, Angola,
Check lists: *Algae* 6402
Geographical distribution: *Algae* 6402
Geographical distribution: *Coralliophila maratti* 7367
New species Evolution: *Macandrevia africana* 1832
New species Evolution: *Macandrevia bayeri* 1832

ASE, Ascension I.,
Eggs: *Chelonia mydas* 9449
Geographical distribution: *Centropyge resplendens* 5018
New species: *Centropyge resplendens* 5018
Reproductive behaviour: *Chelonia mydas* 9449

ASE, Ascension Is.,
Check lists: *Mollusca* 2624
Geographical distribution: *Mollusca* 2624

ASE, Athens Gulf,
Seasonal variations: *Copepoda* 12020
Size distribution: *Calanus minor* 12020
Size distribution: *Centropages typicus* 12020
Size distribution: *Temora stylifera* 12020

ASE, Atlantic,
Aerial surveys: *Sardinops ocellata* 13853
Echo surveys: *Sardinops ocellata* 13853
Stock assessment: *Sardinops ocellata* 13853

ASE, Azov Sea,
Bibliographies Marine ecology 1602
Fecundity: *Gobius melanostomus* 5050
Food availability: *Pisces* 9640
Parasites: *Invertebrata* 7458
Population parameters: *Abramis brama* 12041
Population parameters: *Lucioperca lucioperca* 12041
Population parameters: *Rutilus rutilus* 12041
Sexual maturity: *Gobius melanostomus* 5050
Survival: *Pisces* 9640

ASE, Balearic Is.,
Autecology: *Polyplacophora* 11601
Check lists: *Decapoda* 13771
Check lists: *Pisces* 13771

- Cruises 12580
 Echo surveys: *Pisces* 12580
 Exploratory fishing 13771
 Fisheries statistics 5634
 Fishery surveys 13771
 Fishing effort 5634
 Fishing gear 5634
 Fishing grounds 13771
 Stock assessment: *Pisces* 12580
- ASE, Balearic Isl.,**
 Demersal fisheries 13815
 Fish catch statistics 13815
 Pelagic fisheries 13815
 Shellfish catch statistics 13815
- ASE, Balearic Sea,**
 Commercial species 13858
 Fishing effort 13858
 New species: *Sphaerolaimus* 1368
 Yield 13858
- ASE, Biscay Bay,**
 Acoustic equipment Cruises 2300
 Age composition: *Thunnus thynnus* 3454
 Benthos 9732
 Catch effort: *Merluccius merluccius* 13767
 Cruises Research programmes 2300
 Electronic equipment Cruises 2300
 Exploratory fishing: *Merluccius merluccius* 13767
 Feeding behaviour: *Arnoglossus imperialis* 9638
 Feeding behaviour: *Arnoglossus thori* 9638
 Feeding behaviour: *Dicologlossa cuneata* 9637
 Fish catch statistics: *Thunnus thynnus* 13796
 Fisheries statistics: *Thunnus thynnus* 3454
 Fishery surveys: *Merluccius merluccius* 13768
 Growth: *Dicologlossa cuneata* 9612
 Growth: *Microchirus variegatus* 9612
 Growth: *Nephrops norvegicus* 2972
 Migrations: *Anguilla anguilla* 13157
 Migrations: *Thunnus thynnus* 13318
 Morphology (organisms): *Anguilla anguilla* 7275
 Moulting: *Nephrops norvegicus* 2972
 Nursery grounds: *Merluccius merluccius* 13768
 Olfactory organs: *Anguilla anguilla* 7275
 Population structure: *Dicologlossa cuneata* 9612
 Resource conservation: *Merluccius merluccius* 13767, 13768
 Sex ratios: *Thunnus thynnus* 13318
 Size distribution: *Thunnus thynnus* 13318
 Tagging: *Anguilla anguilla* 13157
 Water temperature 2061
 Yield: *Merluccius merluccius* 13768
- ASE, Black Sea,**
 Antifouling substances: *Balanus improvisus* 12302
 Antifouling substances: *Mytilus galloprovincialis* 12302
 Benthos: *Harpacticoida* 4971
 Benthos: *Rapana thomasiana* 11886
 Bibliographies Marine ecology 1602
 Biochemistry: *Bacteria* 2484
 Biodegradation 6683
 Biodegradation: *Bacteria* 2484
 Biology: *Algae* 7542
 Carbon 14 Proteins: *Scorpaena porcus* 1554
 Carbon 14 Proteins: *Spicara smaris* 1554
 Carbonates: *Bacteria* 11319
 Chemical composition: *Mya arenaria* 2648
 Chemical properties 10154
 Chlorophylls 5862
 Community composition: *Invertebrata* 12300
 Community composition: *Invertebrata* 11543
 Conservation 7573
 Diseases: *Vibrio* 13921
 Ecology: *Leptinogaster* 12155
 Fats Chemical composition: *Scorpaena porcus* 283
 Fats Chemical composition: *Trachurus mediterraneus* 283
 Fats Muscular system: *Scorpaena porcus* 283
 Fats Muscular system: *Trachurus mediterraneus* 283
 Fecundity: *Gammarus olivii* 2706
 Fecundity: *Scophthalmus maeoticus* 5604
 Feeding: *Pseudocalanus elongatus* 2935
 Food availability: *Pisces* 9640
 Fouling organisms: *Balanus improvisus* 12302
 Fouling organisms: *Invertebrata* 12300
 Fouling organisms: *Mytilus galloprovincialis* 12302
 Genetics: *Cricotopus varians* 2737
 Genetics: *Cricotopus vitripennis* 2737
 Geographical distribution: *Mytilus galloprovincialis* 11885
 Geographical distribution: *Rapana thomasiana* 11886
 Growth: *Nannastacus unguiculatus* 3120
 Growth rate: *Bittium reticulatum* 5228
 Growth rate: *Rissoa membranacea* 2969
 Habitat: *Phyllophora* 11543
 Interstitial environment: *Ciliata* 11920
 Ion accumulation Carbon 14: *Scorpaena porcus* 1554
 Ion accumulation Carbon 14: *Spicara smaris* 1554
 Lethal limits: *Rhombus maeoticus* 9881
 Light penetration 4665
 Littoral zone: *Mytilus galloprovincialis* 11885
 Littoral zone: *Rapana thomasiana* 11886
 Marine aquaculture: *Scophthalmus maeoticus* 10002
 Marine pollution Coastal zone 2204
 Mathematical models: *Gammarus olivii* 2706
 Metabolic rate: *Invertebrata* 12300
 Microbial contamination: *Pisces* 3553
 Morphology: *Spicara smaris* 9514
 Nauplii: *Brachyura* 9291
 Neuston: *Brachyura* 9291
 New records: *Callinectes sapidus* 1618
 New records: *Mya arenaria* 2648
 New records: *Nannastacus unguiculatus* 3120
 New species: *Ectinosoma soyeri* 4971
 New species: *Itunella intermedia* 4971
 New species: *Parastenhelia reducta* 4971
 Oil pollution: *Leander adpersus* 12256
 Oil pollution: *Mytilus galloprovincialis* 12256
 Oil pollution: *Platichthys flesus* 12256
 Oil pollution: *Spicara smaris* 12256
 Organic suspended matter: *Bacteria* 11319
 Oxygen consumption: *Balanus improvisus* 12301
 Parasites: *Invertebrata* 7458
 Periphyton: *Bacteria* 11319

Phenols: *Bacteria* 2484
 Phenols: *Eubacteriales* 6683
 Phytoplankton 7513
 Pigments 5862
 Pollution effects: *Rhombus maeoticus* 9881
 Population dynamics: *Amphipoda* 3036
 Population growth: *Amphipoda* 3036
 Population studies: *Spicara smaris* 9514
 Predation: *Mytilidae* 11886
 Production (biological) 7573
 Production (biological): *Mytilus galloprovincialis* 11885
 Production (biological): *Nannastacus unguiculatus* 3120
 Quality control: *Vibrio* 13921
 Rearing: *Scophthalmus maeoticus* 10002
 Reproduction: *Bittium reticulatum* 5228
 Research programmes: *Delphinus delphis* 13758
 Resource management: *Odontoceti* 13844
 Sands: *Ciliata* 11920
 Seaweeds 7542
 Self purification 7573
 Sexual maturity: *Scophthalmus maeoticus* 5604
 Sexual maturity Spermatogenesis: *Scophthalmus maeoticus* 892
 Stock assessment: *Delphinus delphis* 13844
 Stock assessment: *Phocoena phocoena* 13844
 Stock assessment: *Tursiops truncatus* 13844
 Succession: *Invertebrata* 12300
 Sulphides: *Rhombus maeoticus* 9881
 Survival: *Pisces* 9640
 Symbionts: *Corbula* 12155
 Symbionts: *Leptinogaster* 12155
 Taxonomy: *Algae* 7542
 Taxonomy: *Brachyura* 9291
 Thermal pollution 6560
 Thermal pollution: *Copepoda* 6560
 Thermal stratification 11387
 Toxicants: *Balanus improvisus* 12301
 Vertical distribution: *Ciliata* 11920
 Vertical distribution: *Mytilus galloprovincialis* 11885
 Vertical migrations: *Pseudocalanus elongatus* 2935
 Water analysis (chemical) 5862, 10154
 Water conservation 7573
 Zooplankton 6560

ASE, Bulgaria,

Chromosomes: *Thalassomyia frauenfeldi* 11715
 Meiosis: *Thalassomyia frauenfeldi* 11715

ASE, Cameroon,

Geology 10219
 Palynology 10219

ASE, Canary Current,

Geographical distribution: *Pisces* 450
 Predictions Abundance: *Pisces* 450
 Upwelling Ecosystems 450

ASE, Canary Is.,

Biogeography: *Fungi* 7381
 Chemical composition: *Elasmobranchii* 13539
 Commercial species 13769
 Commercial species: *Elasmobranchii* 13539
 Community composition: *Hyperidae* 7388
 Deep scattering layers 6440

Diurnal rhythm: *Crustacea* 10735

Diurnal rhythm: *Pisces* 10735

Echo surveys 6440

Experimental fishing 13769

ASE, Canary Is.,

Exploratory fishing 6848

ASE, Canary Is.,

Fish catch statistics: *Scombridae* 12414, 12423

Fish catch statistics: *Thunnus thynnus* 3797

Fisheries statistics 5660

Fishery management 5660

Fishery surveys 13769

Fishing methods: *Elasmobranchii* 13539

Fishing vessels: *Scombridae* 12423

Geographical distribution: *Elasmobranchii* 13539

ASE, Canary Is.,

New records: *Crustacea* 6848

New records: *Pisces* 6848

ASE, Canary Is.,

Pelagic fisheries: *Scombridae* 12414

Sampling (biological) 6440

Sampling (biological): *Scombridae* 12414

Tagging: *Scombridae* 12423

Terminology: *Scombridae* 12414

Vertical distribution: *Elasmobranchii* 13539

Vertical distribution: *Hyperidae* 7388

Vertical migrations: *Crustacea* 10735

Vertical migrations: *Cyphocaris anonyx* 7387

Vertical migrations: *Cyphocaris challengerii* 7387

Vertical migrations: *Hyperidae* 7388

Vertical migrations: *Pisces* 10735

Zooplankton: *Gammaridea* 7387

ASE, Canary Is., Fuerteventura,

Geographical distribution: *Amphipoda* 6148

New species: *Crybelocephalus birsteini* 6148

New species: *Halicoides discoveryi* 6148

New species: *Scina wagleri* 6148

Taxonomy: *Amphipoda* 6148

ASE, Canary Is., Sta. Cruz di Tenerife,

Fisheries 13538

Fishing vessels 13538

Traps 13538

ASE, Cape Verde,

Solar radiation 6993

ASE, Congo, People's Rep.,

Fecundity: *Brachydeuterus auritus* 1821

Fecundity: *Pentaneus quinquevittatus* 1821

Fecundity: *Pseudolithus* 1821

Fecundity: *Pteroscion peli* 1821

Gear selectivity Mesh regulations: *Pisces* 2071

New records: *Coralliophila marrati* 7367

ASE, Congo, People's Rep., Pointe-Noire,

Ageing methods: *Sardinella aurita* 8556

Growth: *Sardinella aurita* 8556

Mathematical models: *Sardinella aurita* 8556

Recruitment: *Thunnus albacares* 3030

ASE, Corsica,

Sedimentation Topography 1227

ASE, Corsica, Biguglia Lagoon,

Production (biological) 12134

ASE, Crete,

Benthos 7348

Continental drift 4705

Oceanography 7348

Plankton 7348

Submarine features 4705

Surveys 7348

Surveys: *Pisces* 7348

Tectonics 4705

ASE, Cyprus,

Check lists: *Echinodermata* 12782

Ecology: *Echinodermata* 12782

Geographical distribution: *Halophila stipulacea* 7354

Geographical distribution: *Mollusca* 12840

New records: *Mollusca* 12840

ASE, Egypt, Arab Rep.,

Anatomy: *Fajumia schweinfurthi* 11758

Brain: *Fajumia schweinfurthi* 11758

Palaeontology: *Fajumia schweinfurthi* 11758

ASE, Egypt, Arab Rep., Alexandria,

Chemical oceanography 7776

Chemical properties 2324

Fouling organisms 7775

Harbours 7775, 7776

Physical oceanography 7775

Physical properties 2324

Water analysis (chemical) 7776

Water analysis (physical) 7775

ASE, Egypt, Arab Rep., Alexandria, Abu Kir Bay,

Pollution effects: *Solea vulgaris* 3271

ASE, Egypt, Arab Rep, Bardawil Lagoon,

Abundance: *Bacillariophyceae* 11467

Community composition: *Bacillariophyceae* 11467

ASE, Elba Isl.,

Benthos: *Mollusca* 4220

Surveys: *Mollusca* 4220

ASE, Europe,

Oil pollution: *Aves* 3298

ASE, Europe, Iberian peninsula,

Geographical distribution: *Golfingia abyssorum* 10380

Morphology (organisms): *Golfingia abyssorum* 10380

New species: *Golfingia abyssorum* 10380

ASE, Fishing area 34,

Fisheries resources 7867

Fishery management 7867

ASE, France,

Annual variations: *Gammarus aequicauda* 6156

Benthos: *Algae* 12099

Bioaccumulation: *Mytilus* 8730

Coastal erosion 11417

Coastal fisheries: *Posidonia oceanica* 10118

Development: *Prosobranchia* 8197

Ecology: *Laminaria ochroleuca* 149

Ecology Morphology (organisms): *Cymothoidae* 217

Environmental effects: *Ciona intestinalis* 13081

Fats: *Cirripedia* 9304

Fish catch statistics: *Thunnus alalunga* 13788

Fish culture Pond construction 853

Fishing effort: *Thunnus alalunga* 13789

Geographical distribution: *Cetacea* 8506

Geographical distribution: *Octocorallia* 4100

Geographical distribution: *Pinnipedia* 8506

Glands: *Ciona intestinalis* 13081

Growth: *Sparus auratus* 5240

Growth rate: *Sparus auratus* 5240

Hermaphrodites: *Ocenebra erinacea* 8215

Lagoons 12133

Legislation 11150

Life cycle: *Gammarus insensibilis* 6156

Life cycle: *Microphallus breviatus* 72 *Hydrobia ventrosa* 8138

Light effects: *Octocorallia* 4100

Line fishing: *Thunnus alalunga* 13788

Littoral zone 11150

Littoral zone Hydraulics 852

Littoral zone Pond construction 852

Mapping 6958

Marine ecology: *Gammaridea* 11652

Marine environment 10118

Marine pollution 5455, 7672

Morphology: *Halymenia* 4777

Morphology: *Prosobranchia* 8197

Nature conservation 10118, 11150

New species: *Microphallus breviatus* 72 *Hydrobia ventrosa* 8138

New species: *Peyssonnelia crispata* 7102

Oceanographic data 10147

Oils 7672

Organizations 10118

Physical oceanography 11417

Pollutants: *Mytilus* 8730

Pollution monitoring 1950, 3210, 5455, 7672

Pollution surveys 1951

Polymorphism: *Cirripedia* 9304

Population density: *Gammarus insensibilis* 6156

Production (biological) 12133

Regional variations: *Ciona intestinalis* 13081

Reproductive organs: *Ocenebra erinacea* 8215

Resource management 12133

Seasonal variations 12133

Seasonal variations: *Mytilus* 8730

Sediment analysis 7672

Sedimentation 11417

Survival: *Gammarus aequicauda* 6156

Taxonomy: *Halymenia* 4777

Taxonomy: *Peyssonnelia crispata* 7102

ASE, France, Bages-Sigean,

Brackishwater aquaculture: *Penaeus japonicus* 5614

Growth: *Penaeus japonicus* 5614

Lagoons 4724, 4725

Nutrients (mineral) 4726

Pelagic zone 4724

Sedimentation 4725

Water temperature 4726

ASE, France, Banyuls-sur-mer,

Benthos: *Ascidacea* 5368

Benthos: *Copepoda* 5366

Benthos: *Kinorhyncha* 5366

- Benthos: *Nematoda* 5366
 Check lists: *Ascidacea* 5368
 Geographical distribution: *Ascidacea* 5368
 Geographical distribution: *Oncaeidae* 4962
 Keys: *Actacarus* 4835
 Meteorological data 4698
 Morphology (organisms): *Corycaeidae* 4958
 Morphology (organisms): *Leptolaimus pocillus* 4834
 Morphology (organisms): *Oncaeidae* 4962
 New species: *Actacarus monniotae* 4835
 New species: *Diarthrodes drachi* 4959
 New species: *Leptolaimus pocillus* 4834
 New species: *Oncaea neobscura* 4962
 New species: *Polysyncraton harantii* 5108
 New species: *Pseudobradya psammophila* 4963
 New species: *Pseudobradya soyeri* 4963
 Reproduction: *Lysmata seticaudata* 4979, 4980
 Sex reversal: *Lysmata seticaudata* 4980
 Shells: *Prosobranchiata* 4915
 Taxonomy: *Polysyncraton* 5108
 Water temperature 4698
- ASE, France, Bassin d'Arcachon,**
 Tides: *Algae* 11855
 Tides: *Angiospermae* 11855
 Vegetation cover: *Algae* 11855
 Vegetation cover: *Angiospermae* 11855
- ASE, France, Berne lagoon,**
 Algal blooms 12132
 Halocline 12132
 Phytoplankton 12132
- ASE, France, Brittany,**
 Lobsters Stocking 989
 Population dynamics Stock assessment: *Homarus gammarus* 989
- ASE, France, Camargue,**
 Autecology: *Nitocra spinipes* 11657
 Interstitial environment: *Nitocra spinipes* 11657
 Ponds: *Nitocra spinipes* 11657
 Survival: *Nitocra spinipes* 11657
- ASE, France, Catalan,**
 Benthos: *Harpacticoida* 5403
- ASE, France, Concarneau Bay,**
 Benthos 12114
 Geology 5905
 Primary production 12114
- ASE, France, Etang de l'Olivier,**
 Zinc: *Cladophora* 4674
 Zinc: *Physa acuta* 4674
 Zinc: *Sphaeroma hookeri* 4674
- ASE, France, Fos Gulf,**
 Enzymes 12077
 Geographical distribution 12077
 Subpopulation 12077
 Zooplankton 12077
- ASE, France, Ile de Noirmoutier I.,**
 Growth: *Chondrus crispus* 9147
- ASE, France, Ile de Re,**
 Marine aquaculture: *Salmo gairdneri* 13643
 Rearing: *Salmo gairdneri* 13643
- ASE, France, La Rochelle,**
 Commercial fishing 7892
 Fisheries 13537
 Overfishing 7892, 13537
- ASE, France, Languedoc, Aigues-Mortes Gulf,**
 Geology 7036
- ASE, France, Lyon Gulf,**
 Stock assessment: *Ostrea edulis* 12405
- ASE, France, Marseille,**
 Community composition Pollution effects 3082
 Nannoplankton 3079, 3080
 Zinc 7671
 Zooplankton Abundance 3082
- ASE, France, Marseilles Gulf,**
 Pollution effects: *Posidonia oceanica* 7562
- ASE, France, Mediterranean,**
 Mortality causes: *Posidonia oceanica* 7562
 Succession: *Posidonia oceanica* 7562
- ASE, France, Menton Bay,**
 Geology 7043
 Submarine features 7043
 Topography 7043
- ASE, France, Messanges-Plage,**
 Geographical distribution: *Vasconiella jeffreysiana* 2885
 New records: *Vasconiella jeffreysiana* 2885
- ASE, France, Port-Cros I.,**
 Environmental effects 7772
 Marine parks 7772
 Marine pollution 7772
- ASE, France, Port-la-Nouvelle,**
 Nuclear energy 3168
 Thermal pollution 3168
- ASE, France, Provence,**
 Circadian rhythms: *Astropecten aranciatus* 9617
 Feeding behaviour: *Astropecten aranciatus* 9617
 Population density: *Astropecten aranciatus* 9617
- ASE, France, Roussillon,**
 Benthos 5367, 5369, 5370
 Continental shelf 4717
 Sediment analysis 4717
 Sedimentation 4717
 Sublittoral zone 5367, 5369, 5370
- ASE, France, Salses-Leucate,**
 Lagoons 4724
 Pelagic zone 4724
- ASE, France, Thau,**
 Cytology: *Suberites massa* 4836
 Growth: *Sparus auratus* 5241
 Life cycle: *Sphaeroma serratum* 4978
 Morphology (organisms): *Suberites massa* 4836
 Reproduction: *Suberites massa* 4836
 Serological studies: *Suberites massa* 4836
- ASE, France, Thau Basin,**
 Community composition: *Cyanophyta* 11466
 Nitrogen: *Cyanophyta* 11466
 Seasonal variations: *Cyanophyta* 11466
 Sediments: *Cyanophyta* 11466

ASE, France, Villefranche-sur-Mer,

- Growth: *Fritillaria pellucida* 10973
 Life cycle: *Fritillaria pellucida* 10973
 Life cycle: *Invertebrata* 5289
 New species: *Sporozoa* 5289
 Parasites: *Sporozoa* 5289
 Production (biological): *Fritillaria pellucida* 10973

ASE, France, Villeneuve Bay,

- Bathymetric charts 11419
 Beaches 11418, 11420
 Bottom topography 11419
 Currents 11420
 Dams 11418
 Harbours 11420
 Sedimentation 11418, 11420
 Submarine features 11418

ASE, Gambia,

- Fishery biology: *Ethmalosa fimbriata* 11724
 Horizontal distribution: *Branchiostoma senegalense* 4068
 Hydrology 8996
 Length-weight relationships: *Ethmalosa fimbriata* 11724
 Migrations: *Ethmalosa fimbriata* 11724
 Salinity 8996
 Sexual reproduction: *Ethmalosa fimbriata* 11724
 Water temperature 8996

ASE, Gambia, Bakau,

- Hydrography 50

ASE, Genes Gulf,

- Cruises Plankton 1869

ASE, Genoa Gulf,

- Feeding: *Galeus melastomus* 9636
 Feeding behaviour: *Galeus melastomus* 9636
 Feeding behaviour: *Oculospinus brevis* 3986
 Geographical distribution: *Centrostephanus longispinus* 11541
 Habitat: *Centrostephanus longispinus* 11541
 Habitat: *Oculospinus brevis* 3986
 Reproductive organs: *Oculospinus brevis* 3986
 Viviparity: *Oculospinus brevis* 3986

ASE, Ghana,

- Beaches 10043
 Coastal fisheries 10043
 Fish catch statistics 10043
 Fisheries: *Sardinella* 11160
 Fisheries: *Sardinella aurita* 11160
 Hydrography 10043

ASE, Ghana, Sakumo Lagoon,

- Ecology 5379
 Hydrography 5379

ASE, Ghana, Tema,

- Coral reefs 5371

ASE, Greece,

- Abundance: *Algae* 5332
 Abundance Pollution effects: *Copepoda* 1980
 Biotopes: *Algae* 11465
 Check lists: *Algae* 5332, 11465
 Community composition: *Algae* 11465
 Fish catch statistics 6898

- Geographical distribution: *Algae* 5332, 11465
 Length-weight relationships: *Palinurus vulgaris* 13233
 Phytoplankton 5349
 Sewage effluents 5349
 Zooplankton Abundance 1876
 Zooplankton Environmental effects 1876

ASE, Greece, Athens,

- Bioaccumulation 4324
 Metals 4324
 Pollutants 4324
 Sediment analysis 4324
 Sewage effluents 4324

ASE, Greece, Saronikos Gulf,

- Chemical pollution 3248, 3270
 Nutrients (mineral) 3280
 Phosphates 3270
 Sediment analysis 3248
 Water analysis (chemical) 3280

ASE, Guinea Dome,

- Chlorophylls Chemical oceanography 1162
 Phosphates Chemical oceanography 1162

ASE, Guinea Gulf,

- Biomass: *Pisces* 12397
 Echo surveys 12397
 Fecundity: *Thunnus albacares* 12026
 Fisheries 3446
 Fisheries resources 12397
 Fishery oceanography: *Scombridae* 10150
 Geostrophic currents 10179
 Hydrology 7029
 Marine geology 4702
 Meteorological data 7029
 Morphology (organisms): *Heterophotus ophistoma* 11760
 Morphology (organisms): *Osoria* 11760
 Morphology (organisms): *Stichopus badionotus* 2605
 Morphology (organisms): *Xenophthalmichthys danae* 11760
 Phytoplankton 10992
 Primary production 10992
 Sex ratios: *Thunnus albacares* 12026
 Sexual maturity: *Thunnus albacares* 12026
 Size distribution: *Katsuwonus pelamis* 12028
 Water circulation 10179
 Water temperature 10150

ASE, Gulf of Fos,

- Plankton 4189

ASE, Ionian Sea,

- Check lists: *Didemnidae* 5162
 Collections (biological): *Parthenope expansus* 10486
 Ions Vertical distribution 1161
 Zooplankton Biomass 1846

ASE, Israel,

- Ecosystems 3147
 Fisheries statistics 13811
 Geographical distribution 3147
 Hatcheries 9996
 Introduced species 3147
 Marine aquaculture 9996

- ASE, Israel, Ashdod,**
Storms Sea level 87
- ASE, Israel, Haifa Bay,**
Feeding behaviour: *Mugil cephalus* 380
Stomach contents Food composition: *Mugil cephalus* 380
- ASE, Italy,**
Annual variations: *Callista chione* 6473
Aquaculture: *Mytilus galloprovincialis* 925
Artificial spawning: *Platichthys flesus* 4461
Beaches 10231
Check lists Abundance: *Cephalopoda* 1391
Community composition 2875
Ecology 2875
Electron microscopy Phytoplankton 452
Erosion 10231
Fisheries 2060
Fishery management 7852
Fishery surveys 11204
Fossils: *Callista chione* 6473
Geographical distribution: *Acartiidae* 3961
Growth rate Life cycle: *Mytilus galloprovincialis* 925
Marine aquaculture: *Mugilidae* 5582
Marine aquaculture: *Platichthys flesus* 4461
New record: *Saccorhiza polyschides* 2875
New records: *Prosobranchia* 7374
New species: *Acartia enzoii* 3961
New species: *Acartia josephinae* 3961
Phytoplankton Check lists 452
Pollution effects: *Acartiidae* 3961
Pollution effects: *Polychaeta* 7701
Rearing: *Platichthys flesus* 4461
Resource development 2060
Stock assessment: *Pisces* 11204
Topography 2875
- ASE, Italy, Bari,**
Marine pollution: *Bacteria* 4309
Microbial contamination: *Teleostei* 4309
- ASE, Italy, Catania,**
Microbial contamination 8078
Microorganisms 8078
Public health 8078
- ASE, Italy, Civitavecchia Harbour,**
Boring organisms 12303
Community composition: *Hydroida* 12299
Fouling organisms 12303
Fouling organisms: *Hydroida* 12299
- ASE, Italy, Genoa,**
Fouling organisms: *Botryllus schlosseri* 4432
Fouling organisms Seasonal variations: *Algae* 2046
Growth rate: *Botryllus schlosseri* 4432
- ASE, Italy, La Spezia,**
Shellfish culture: *Mytilidae* 13706
- ASE, Italy, Lago di Faro,**
Geographical distribution: *Codium fragile* 4079
Parthenogenesis: *Codium fragile* 4079
- ASE, Italy, Linosa I.,**
New records: *Gnathostenetroides laodicense* 337
- ASE, Italy, Livorno,**
Biotope: *Posidonia oceanica* 5372
Biotope: *Pseudolithophyllum expansum* 5372
- ASE, Italy, Lombardy,**
Pollution control 7740
- ASE, Italy, Manfredonia,**
Fouling organisms 4430
- ASE, Italy, Mantova L.,**
Seasonal variations: *Cladocera* 12057
- ASE, Italy, Messina,**
Feeding: *Evermannella balbo* 2772
Morphology: *Evermannella balbo* 2772
- ASE, Italy, Po Delta,**
River discharge 10927
- ASE, Italy, Riva Trigoso Bay,**
Benthos: *Serpulidae* 4431
Fouling organisms 4431
- ASE, Italy, Rome,**
Marine pollution: *Bacteria* 12176
- ASE, Italy, Secche della Meloria,**
Community composition: *Alcarida* 3956
Ecology: *Alcarida* 3956
Taxonomy: *Copidognathopsis gibbus* 3956
- ASE, Italy, Taranto, Mar Piccolo,**
Breeding: *Ascidacea* 4433
- ASE, Italy, Trieste,**
Circadian rhythms: *Monodonta turbinata* 11892
Locomotion: *Monodonta turbinata* 11892
Marine parks 3359
Oceanographic data 5886
Oil pollution 4326
Sea level 5886
Seiches 5886
Tides: *Monodonta turbinata* 11892
- ASE, Italy, Varano L.,**
Bacterial diseases: *Salmo gairdneri* 4462
Cage culture: *Salmo gairdneri* 4462
- ASE, Italy, Venice Lagoon,**
Acclimation: *Idotea balthica* 9574
Pollution monitoring 9849
Population genetics: *Idotea balthica* 9574
Salinity tolerance: *Idotea balthica* 9574
Sewage 9849
- ASE, Ivory Coast,**
Check lists: *Polychaeta* 8146
Geographical distribution: *Ostracoda* 2691
Growth rate: *Penaeus duorarum* 7419, 7420
Invertebrate larvae: *Crustacea* 10914
Migrations: *Penaeus duorarum* 7385
Migrations Tagging: *Sterna* 349
Morphology (organisms): *Ostracoda* 2691
Mortality: *Penaeus duorarum* 7385
New species: *Cymbium souliei* 1399
New species: *Polychaeta* 8146
New species: *Rutiderma leloevffi* 2691
Photosynthetic pigments 2414
Seasonal variations: *Crustacea* 10914
Seasonal variations: *Cumacea* 10915

- Sediment analysis 2414
 Taxonomy: *Polychaeta* 8146
 Upwelling 10914
 Zooplankton: *Crustacea* 10914
 Zooplankton: *Cumacea* 10915
- ASE, Ivory Coast, Ebrie Lagoon,**
 Dissolved oxygen 10164
 Hydrology 10164
 Lagoons 10164
 Microorganisms: *Enterobacteriaceae* 7662
 Pollution effects 10164
 Seasonal variations 10164
- ASE, Jugoslavia,**
 Correlation analysis: *Nephrops norvegicus* 6853
 Fisheries statistics: *Nephrops norvegicus* 6853
 Fishing effort: *Nephrops norvegicus* 6853
- ASE, Lebanon,**
 Geographical distribution Zooplankton 1874
 Nutrients (mineral) 3277
 Phytoplankton 3277
- ASE, Lebanon, Beirut,**
 Coastal zone Zooplankton 2001
- ASE, Ligurian Sea,**
 Fouling organisms 12307
 Oceanographic equipment 6971
 Population structure: *Pyrosoma atlanticum* 1814
 Seasonal variations Sampling (biological):
 Hydromedusae 1659
 Turbidity 6971
- ASE, Lyon Gulf,**
 Biomass: *Copepoda* 5404
 Carbon 4675
 Climate 4693
 Continental shelf: *Mesocletodes* 4972
 Energy flow: *Bacteria* 4718
 Hydrologic cycle 6992
 Hydrology 4693
 Lagoons: *Bacteria* 4718
 New species: *Mesocletodes* 4972
 Nitrogen 4675
 Phytoplankton 5354
 Production (biological) 5404
 Production (biological): *Copepoda* 5402
 Salinity 4694
 Sediment analysis 4675
 Suspended matter 5354
 Water mixing 6992
 Water temperature 4694
- ASE, Marseilles Gulf,**
 Sediment analysis 10159
- ASE, Mauritania,**
 Artisanal fishing 13533, 13535
 Bibliographic information 13945
 Bibliographic information Plankton 1849
 Check lists: *Chelonia* 13076
 Check lists: *Pisces* 1483
 Check lists: *Selachii* 12938
 Check lists: *Teleostei* 12938
 Exploratory fishing 2145
 Exploratory fishing Fish catch statistics 2145
 Fisheries statistics 13534
 Fishery industry plants 13908
 Fishery products 13534
 Geographical distribution: *Cetacea* 13075
 Geographical distribution: *Pinnipedia* 13075
 Growth: *Ruditapes decussatus* 1666
 Growth rate: *Ruditapes decussatus* 13316
 Horizontal distribution: *Branchiostoma senegalense* 4068
 Hydrography 2145
 Marine fisheries 13534
 Meteorological data 1141
 Meteorology 12581
 Morphology (organisms): *Cylindroleberididae* 2688
 New species: *Cylindroleberididae* 2688
 Oceanographic data 1141
 Oceanography 12581
 Phytoplankton Primary production 1848
 Processing fishery products 13534
 Quality control 13908
 Remote sensing 8954
 Resource development 13533
 Shellfish Terminology 2237
 Shellfish fisheries: *Palinuridae* 11161
 Size distribution: *Ruditapes decussatus* 13316
 Suspended matter 8954
 Tagging: *Ruditapes decussatus* 13316
 Tagging Migrations: *Ruditapes decussatus* 1666
 Terminology: *Pisces* 2237
 Upwelling 8954
 Upwelling Exploratory fishing 2146
- ASE, Mauritania, Baie du Levrier,**
 Phytoplankton 3121
- ASE, Mauritania, Cansado Bay,**
 Microbial contamination Marine pollution 1940
- ASE, Mauritania, Cap Blanc,**
 Carbon cycle 1912
 Oceanographic data Seasonal variations 1142
 Photosynthesis 1912
 Upwelling 1912
 Water temperature 1142
- ASE, Mauritania, Nouadhibou,**
 Fish catch statistics 2158
 Fishery industry 2158
- ASE, Mediterranean,**
 Abundance: *Parapontellidae* 11887
 Abundance: *Pontellidae* 11887
 Air-water interface 12663
 Annual variations 7663
 Aquatic plants 12098
 Benthos 4217, 10942, 12097, 12098, 12101
 Benthos: *Algae* 4216, 4240
 Benthos: *Porifera* 4219
 Benthos: *Thalestridae* 4964
 Bibliographies 12098
 Bibliographies Marine ecology 1601
 Biochemistry: *Codium bursa* 6009
 Biogeography 12097, 12101
 Biogeography: *Spiochaetopterus costarum* 5203

- Biotope: *Petroglossum nicaense* 7350
 Brackish water 12591
 Carbonates 7003
 Catching methods: *Sardina* 13565
 Check lists: *Thaliacea* 11546
 Chemical composition: *Centropages typicus* 8284
 Chemical composition: *Clupeidae* 9402
 Chemical composition: *Mullus barbatus* 9402
 Chemical composition: *Sargassum vulgare* 6009
 Chemical composition: *Temora stylifera* 8284
 Circadian rhythm Abundance: *Appendicularia* 1873
 Community composition 12101, 12591
 Community composition: *Demospongia* 13377
 Community composition: *Parapontellidae* 11887
 Community composition: *Pontellidae* 11887
 Community composition Geographical distribution: *Thaliacea* 1656
 Cruises 8937
 Currents: *Eunicella cavolinii* 7140
 DDT: *Mytilus galloprovincialis* 9893
 Development: *Althenia filiformis* 7115
 Development: *Copepoda* 3034
 Developmental stages: *Microjassa cumbriensis* 213
 Distributional charts: *Aega stromi* 10720
 Ecological distribution: *Copepoda* 5353
 Ecology 12591
 Ecology: *Ameiridae* 4965
 Ecology: *Cephalopoda* 11638
 Ecology: *Foraminifera* 11282, 11283
 Ecology: *Holothuria* 8567
 Ecology: *Lulworthia* 9099
 Electrophoresis: *Anguilla anguilla* 13339
 Environmental effects: *Noctiluca* 13359
 Environmental factors: *Eunicella cavolinii* 7140
 Enzymes: *Anguilla anguilla* 13339
 Evolution: *Foraminifera* 11282
 Evolution: *Ostracoda* 11284
 Fats: *Cephalopoda* 11638
 Fats: *Clupeidae* 9402
 Fats: *Mullus barbatus* 9402
 Fecundity: *Copepoda* 3034
 Feeding: *Holothuria* 8567
 Fish catch statistics 11220
 Fish larvae 9694
 Fisheries 3456, 3456
 Fisheries management 12551
 Fisheries resources 7851, 11237
 Fisheries statistics 4442
 Fishery biology: *Nephrops norvegicus* 1422
 Fishery management 7851
 Fishery surveys Fish catch statistics: *Clupeoidei* 3429
 Fossils Indicator organisms: *Foraminifera* 3616
 Geographical distribution: *Aega stromi* 10720
 Geographical distribution: *Copepoda* 11882
 Geographical distribution: *Corycaeidae* 4958
 Geographical distribution: *Halophila stipulacea* 6400
 Geographical distribution: *Heteropsyllus* 4969
 Geographical distribution: *Maja squinado* 11884
 Geographical distribution: *Parapontellidae* 11887
 Geographical distribution: *Petroglossum nicaense* 7350
 Geographical distribution: *Polyplocophora* 7376
 Geographical distribution: *Pontellidae* 11887
 Geographical distribution: *Rhodophyceae* 7362
 Geographical distribution: *Thaliacea* 11546
 Geographical distribution New records: *Acartia centrura* 1655
 Geographical distribution Zooplankton 1660
 Geology 9064, 9065
 Habitat: *Demospongia* 13377
 Habitat: *Eunicella cavolinii* 7140
 Heavy metals 5475, 7671
 Heavy metals: *Mytilus galloprovincialis* 3273
 Horizontal distribution: *Patella* 188
 Ichthyoplankton 9694
 International exchange 3175
 Keys: *Fauveliopsis* 3888
 Landing statistics: *Pisces* 11220
 Larvae: *Phyllochaetopterus socialis* 4838
 Larvae: *Phyllochaetopterus solitarius* 4838
 Larvae: *Prosobranchiata* 4915
 Legislation 11111
 Life cycle: *Nephrops norvegicus* 1422
 Life cycle: *Puccinellia festucaeformis* 7116
 Light fishing 13565
 Marine ecology 2869
 Marine ecology: *Copepoda* 3034
 Marine ecology: *Demospongia* 13377
 Marine pollution 2281, 5780, 7619, 7663, 7671, 7702, 11118
 Mathematical models Computer applications 3610
 Mathematical models Marine environment 3611
 Mercury: *Mollusca* 6679
 Methodology: *Thunnus thynnus* 12976
 Morphology: *Spicara smaris* 9514
 Morphology Shells: *Patella* 188
 Morphology (organisms): *Bacteria* 11448
 Morphology (organisms): *Eunicella cavolinii* 7140
 Morphology (organisms): *Gorgonacea* 9174
 Morphology (organisms): *Polydora guillei* 4840
 Morphology (organisms): *Scombridae* 6199
 Morphology (organisms): *Tripterygion* 9384
 Mouth parts: *Architectonidae* 7183
 Nannoplankton 9064
 New records Geographical distribution: *Idunella pirata* 214
 New species: *Acartia enzoii* 1433
 New species: *Acartia josephinae* 1433
 New species: *Alteromonas luteo-violaceus* 8083
 New species: *Ameiridae* 4965
 New species: *Asellota* 4966
 New species: *Diarthrodes gravellicola* 4964
 New species: *Hastigerella* 4961
 New species: *Heteropsyllus confluens* 4969
 New species: *Heteropsyllus meridionalis* 4969
 New species: *Mimocalanus brodskii* 4968
 New species: *Peyssonnelia* 10295
 New species: *Polycystis contorta* 1366
 New species: *Polydora guillei* 4840
 New species: *Typhlopocystis coomansi* 1366
 New species: *Unicapsula pflugfelderi* 10383
 Nutritional requirements: *Bacteria* 10840
 Oceanographic data 2333

- Oceanography 3804
 Oils 7663
 Palaeontology 11281
 Palaeontology: *Foraminifera* 3616, 11282, 11283
 Palaeontology: *Ostracoda* 11284, 11285
 Palaeontology: *Valdanchella miliani* 10102
 Parasites: *Aega stromi* 10720
 Parasites: *Unicapsula pflugfelderi* 10383
 PCB 9858
 PCB: *Mytilus galloprovincialis* 9893
 Pesticides 3227
 Photosynthetic pigments: *Codium dichotomum* 6009
 Physiology: *Bacteria* 11448
 Phytoplankton Production (biological) 3081
 Plankton 7571
 Pollutants: *Mollusca* 6679
 Pollution 12591
 Pollution control 3175, 7619, 10124, 11111, 11118
 Pollution effects 3233, 4265
 Pollution effects: *Algae* 7702
 Pollution effects: *Cetacea* 3283
 Pollution monitoring 5780, 7663, 11111
 Pollution surveys 1951, 3174
 Population genetics: *Anguilla anguilla* 13339
 Population structure Buoys 1868
 Population studies: *Nephrops norvegicus* 1422
 Population studies: *Spicara smaris* 9514
 Primary production 4239, 5475
 Production (biological) 7571, 12591
 Red tides: *Noctiluca* 13359
 Remote sensing 3794
 Remote sensing Marine environment 2308
 Reproduction: *Maja squinado* 11884
 Reproduction: *Spiochaetopterus costarum* 5203
 Reproduction: *Thunnus thynnus* 12976
 Reproduction rate: *Copepoda* 3034
 Research institutions 10117
 Research programmes 2269
 Saline water: *Thalassia* 11546
 Salinity effects 11281
 Salinity effects: *Athenia filiformis* 7115
 Salinity effects: *Ostracoda* 11285
 Salinity effects: *Puccinellia festucaeformis* 7116
 Salinity tolerance: *Copepoda* 11882
 Sea law 2060, 2235
 Sea law Territorial waters 3602
 Seasonal variations: *Sagitta* 13350
 Sediment structure 9064
 Sedimentation 3804
 Sedimentology Isotopes 1241
 Sewage 3174
 Size distribution: *Sagitta* 13350
 Solar radiation 6993
 Speciation: *Tripterygion* 9384
 Spermatogenesis Ultrastructure: *Cutleria adspersa* 132
 Stock assessment: *Thunnus thynnus* 12976
 Stock assessment Fisheries statistics Conferences: *Pisces* 11237
 Stomach contents: *Sagitta* 13350
 Succession: *Algae* 4240
 Succession: *Halophila stipulacea* 7353
 Surrounding nets 13565
 Taxonomy: *Aalteromonas luteo-violaceus* 8083
 Taxonomy: *Ameiridae* 4965
 Taxonomy: *Architectonica* 7183
 Taxonomy: *Asellota* 4966
 Taxonomy: *Blenniidae* 2760
 Taxonomy: *Fauveliopsis* 3888
 Taxonomy: *Gorgonacea* 9174
 Taxonomy: *Hastigerella* 4961
 Taxonomy: *Petroglossum nicaeense* 7350
 Taxonomy: *Peyssonnelia* 10295
 Taxonomy: *Rhodophyceae* 7362
 Taxonomy: *Scombridae* 6199
 Taxonomy: *Tripterygion* 9384
 Taxonomy: *Unicapsula pflugfelderi* 10383
 Taxonomy Biology: *Euphausiacea* 2654
 Taxonomy Morphology (organisms): *Lembos* 208
 Taxonomy New species: *Atylus massiliensis* 215
 Taxonomy New species: *Liljeborgiidae* 214
 Temperature effects: *Athenia filiformis* 7115
 Temperature effects: *Copepoda* 3034
 Terminology: *Blenniidae* 2760
 Territorial waters 2235
 Thermal pollution 3233
 Ultrastructure: *Podolampas* 7105
 Vertical distribution: *Spiochaetopterus costarum* 5203
 Vertical distribution Phosphates 1919
 Vertical distribution Primary production 1919
 Vitamins: *Bacteria* 10840
 Water analysis (chemical) 3227
 Water circulation 12663
 Water mixing 12663
 Water pollution 4265
 Water temperature 2333
 Winds 3794
 Zoogeography: *Cypraeidae* 7377
 Zoogeography: *Polyplacophora* 7376
- ASE, Mediterranean, Africa,**
 Benthos 10748
- ASE, Mediterranean, Catania,**
 Tide tables 7025
- ASE, Mediterranean, France,**
 Artisanal fishing Fishery economics 2226
 Artisanal fishing Labour 2226
- ASE, Mediterranean, Gulf of Fos,**
 Culture media: *Bacteria* 8736
 Oil pollution: *Bacteria* 8736
 Physiology: *Bacteria* 8736
 Taxonomy: *Bacteria* 8736
- ASE, Mediterranean, Italy,**
 Artisanal fishing Fishery economics 2226
 Artisanal fishing Labour 2226
- ASE, Mediterranean, Lebanon,**
 Currents 12700
 Sediment transport 12700
- ASE, Mediterranean, Matapan Trench,**
 Morphology (organisms): *Lacydonia laureci* 4841
 New species: *Lacydonia laureci* 4841

- ASE, Mediterranean, Reggio Calabria,**
Tide tables 1207
- ASE, Mediterranean, Rhone R.,**
Taxonomy Abundance: *Bacteria* 1279
- ASE, Mediterranean, Roussillon Shelf,**
Continental shelf 7024
History 7024
Radioactive dating 7024
Sea level 7024
- ASE, Mediterranean, Sardinia,**
Environmental effects: *Astropecten aranciatus* 11910
Vertical distribution: *Astropecten aranciatus* 11910
- ASE, Mediterranean, Straits of Messina,**
New records: *Helminthocladia hudsonii* 7360
- ASE, Messina Strait,**
Ecological distribution: *Saccorhiza polyschides* 3259
Pollution effects 3259
- ASE, Messina Strait, Linosa Isl.,**
Benthos: *Algae* 4218
Community composition: *Algae* 4218
- ASE, Morocco,**
Cruises 12579
Education 7929
Fisheries management: *Ethmolosa* 12443
Geology 10195
Geostrophic currents 4710
Nutrients (mineral) 12579
Phytoplankton 12579
Resource development: *Ethmolosa* 12443
Sea level 10195
Seasonal variations 12579
Sedimentology 4710
Submarine features 4710
Tagging: *Thunnus thynnus* 2931
Upwelling 12579
Water analysis (biological) 12579
- ASE, Morocco, Agadir,**
Water analysis (biological) Microorganisms 507
Water analysis (chemical) Chemical pollutants 507
- ASE, Morocco, Ceuta,**
Fish catch statistics: *Scombridae* 13798
Traps: *Scombridae* 13798
- ASE, Naples Gulf,**
Biometrics: *Acetabularia mediterranea* 12749
Hermaphrodites: *Dentalium entalis* 3933
Morphology (organisms): *Acetabularia mediterranea* 12749
Population genetics: *Ascidia mentula* 6360
Population studies: *Acetabularia mediterranea* 12749
Reproductive organs: *Dentalium entalis* 3933
Taxonomy: *Cypridinacea* 2687
Ultrastructure: *Nudibranchia* 4891
- ASE, Nigeria,**
Artisanal fishing 12311
Fish catch statistics 2058
Fisheries 2058
Fisheries resources 12311
Resource development 12311
- ASE, Nigeria, Lagos Lagoon,**
Seasonal variations Fish catch statistics: *Pisces* 1665
- ASE, North-West-Africa,**
Check lists: *Euphausiacea* 13150
- ASE, North-West Africa,**
Oceanography 4659, 7970
Research programmes 4659, 7970
Upwelling 4659, 7970
- ASE, North-West-Africa,**
Vertical distribution: *Euphausiacea* 13150
- ASE, Portugal,**
Biology: *Crassostrea angulata* 12841
Fish catch statistics: *Sardina* 980
Geographical distribution New records: *Enteropneusta* 323
Heavy metals 3300
New records: *Chaetogammarus storerensis* 1617
New records Geographical distribution: *Echiuroidea* 324
Oyster culture: *Ostreidae* 12841
Parasitism: *Ostreidae* 12841
Shellfish fisheries: *Ostreidae* 12841
- ASE, Portugal, Arabida,**
Biological collections 5378
Growth: *Mytilus galloprovincialis* 5378
- ASE, Portugal Current,**
Mathematical models Geostrophic currents 84
- ASE, Portugal, Sines,**
New records Geographical distribution: *Peyssonnelia rosa-marina* 1652
- ASE, Portuguese Guinea,**
New species: *Cypraea angelicae* 2615
- ASE, Romana,**
Seasonal variations Production (biological): *Copepoda* 1921
- ASE, Romania,**
Geographical distribution: *Fungi* 11881
Geographical distribution: *Oligochoerus limnophylus* 11883
Geographical distribution: *Promonotus ponticus* 11883
Lagoons: *Oligochoerus limnophylus* 11883
Lagoons: *Promonotus ponticus* 11883
- ASE, Romania, Agigea,**
Geographical distribution: *Turbellaria* 11544
Taxonomy: *Coelogyropora* 11544
- ASE, Romania, Constantza,**
Fouling organisms 12304
- ASE, Senegal,**
Fish catch statistics Catch effort: *Thunnus albacares* 2161
Fisheries data 7779
New species: *Africonus echinophilus* 6103
New species: *Antipella praeclara* 4842
New species: *Dendrodoris senegalensis* 4842
New species: *Hypselodoris bilineata* 4842
New species: *Leptoconus gervanti* 6103
New species: *Psammotreta elouardi* 8201
Sedimentology 8036

Size distribution Fish catch statistics: *Thunnus albacares* 2160

Taxonomy: *Dendrodoris senegalensis* 4842

ASE, Sicily,

Check lists: *Amphipoda* 9280

Check lists: *Cephalopoda* 10719

Collections (biological): *Cephalopoda* 10719

Detergents 11099

Ecology: *Amphipoda* 9280

Larvae Vertical distribution: *Decapoda* 346

Marine ecology: *Colubraria reticulata* 9240

Phenols 11099

Pollution control 11099

Pollution effects 11099

Sewage 11099

Skeleton Abnormalities: *Brama raja* 273

Taxonomy: *Amphipoda* 9280

Zooplankton Indicator organisms 439

ASE, Sicily, Acitrezza,

Biocoenoses: *Mollusca* 11600

Community composition: *Mollusca* 11600

Habitat: *Mollusca* 11600

Littoral zone: *Mollusca* 11600

ASE, Sierra Leone, Black Johnson Estuary,

Abundance: *Mugilidae* 11984

Feeding behaviour: *Mugilidae* 11984

ASE, South East Atlantic,

Catch effort: *Penaeidae* 11228

Fish catch statistics 11224

Fishery biology: *Merluccius capensis* 10808

Research programmes 11224

Shellfish catch statistics: *Penaeidae* 11228

ASE, Spain,

Age composition: *Merluccius merluccius* 6871

Autecology: *Polyplacophora* 11601

Catch effort: *Thunnus alalunga* 13787

Catch statistics: *Thunnus alalunga* 3450, 3451

Check lists: *Pisces* 13770

Environmental factors: *Polyplacophora* 11601

Fish catch statistics: *Xiphias gladius* 13801

Fish culture: *Anguilla anguilla* 13609

Fisheries resources: *Merluccius merluccius* 4471

Fisheries statistics: *Thunnus alalunga* 13787

Fishery surveys 13770

Fishery surveys: *Merluccius merluccius* 4471

Fishing effort: *Thunnus alalunga* 13789

Geographical distribution: *Clupeidae* 12977

Geographical distribution: *Polyplacophora* 11601

Hatcheries: *Venerupis pullastra* 13743

Heavy metals 3300

Keys Geographical distribution: *Cetacea* 2893

Larvae: *Clupeidae* 12977

Marine aquaculture 13609, 13743

Morphology: *Polyacanthonotus rissoanus* 5041

New records: *Balaenoptera borealis* 2893

New records: *Gammarus salinus* 1617

New records: *Polyacanthonotus rissoanus* 5041

Population dynamics: *Merluccius merluccius* 6871

Research programmes: *Algae* 13890

Seasonal variations: *Clupeidae* 12977

Seaweed processing 13890

Seaweed products 13890

Shellfish culture 13743

Shellfish culture: *Crassostrea angulata* 13609

Shellfish culture: *Mytilidae* 13707

Shellfish culture: *Mytilus edulis* 13609, 13707

Shellfish culture: *Ostrea edulis* 6837, 13609

Shellfish culture: *Perna* 13707

Shellfish culture: *Venerupis pullastra* 13743

Size distribution: *Thunnus alalunga* 13787

Stock assessment: *Merluccius merluccius* 6871

Tectonics 7034

ASE, Spain, Alfaques Bay,

Biology: *Sparus auratus* 12939

Growth: *Sparus auratus* 12939

Marine ecology: *Sparus auratus* 12939

Sexual reproduction: *Sparus auratus* 12939

Stomach contents: *Sparus auratus* 12939

ASE, Spain, Biscay Bay,

Biology: *Engraulis encrasicolus* 13324

Fisheries: *Engraulis encrasicolus* 13324

ASE, Spain, Cadiz,

Biology: *Sparus auratus* 12940

Diseases: *Sparus auratus* 12940

Growth: *Mugil auratus* 13231

Population parameters: *Sparus auratus* 12940

Size distribution: *Sparus auratus* 12942

ASE, Spain, Cadiz Bay,

New records: *Scyllarus posteli* 13148

Population parameters: *Scyllarus posteli* 13148

ASE, Spain, Castellon,

Fertility 12664

Primary production 12664

Upwelling 12664

ASE, Spain, Ebro delta,

Aquaculture 12679

Pelagic fisheries 12679

River discharge 12679

ASE, Spain, Finistere,

Continental shelf 7022

Currents 7022

Internal waves 7022

ASE, Spain, Galicia,

Diseases: *Ostreidae* 13304

Experimental fishing 12332

Fishery surveys: *Octopoda* 3436

Fishery surveys: *Trisopterus luscus* 3436

Gear selectivity: *Merluccius merluccius* 12332

Gear selectivity: *Nephrops norvegicus* 12332

Gear selectivity: *Trachurus trachurus* 12332

Gear selectivity: *Trisopterus luscus* 12332

Gear selectivity Experimental fishing: *Merluccius merluccius* 3385

Gear selectivity Experimental fishing: *Trachurus trachurus* 3385

Sexual maturity: *Sprattus sprattus* 12984

Sexual reproduction: *Sprattus sprattus* 12984

Shellfish culture: *Mytilidae* 12665, 13706

- pawning: *Sprattus sprattus* 12984
 Water circulation 12665
 Water masses 12665
SE, Spain, Galicia, Ribadeo Estuary,
 Brackishwater aquaculture: *Ostrea edulis* 13742
 Brackishwater aquaculture: *Venerupis decussata* 13742
 Oyster culture 13744
 Shellfish culture: *Ostrea edulis* 13742
 Shellfish culture: *Venerupis decussata* 13742
SE, Spain, Guadalquivir Estuary,
 Larvae Development: *Crassostrea angulata* 190
SE, Spain, La Coruna,
 Marine pollution 13483
 Mercury 13483
SE, Spain, Menor Sea,
 Abundance: *Copepoda* 12076
 Community composition: *Copepoda* 12076
 Lagoons: *Copepoda* 12076
 Seasonal variations: *Copepoda* 12076
SE, Spain, Pontevedra Bay,
 Biomass: *Fucaceae* 13466
 Industrial wastes: *Fucaceae* 13466
 Pollution effects: *Fucaceae* 13466
SE, Spain, Rio de Pontevedra,
 Pollution effects: *Mollusca* 6696
SE, Spain, Santander Bay,
 Condition factor: *Tapes decussatus* 13232
 Growth: *Tapes decussatus* 13232
SE, Spain, Vigo,
 Benthos: *Macoma* 13365
 Benthos: *Tellina* 13365
 Communities: *Macoma* 13365
 Marine ecology: *Macoma* 13365
 Marine ecology: *Tellina* 13365
SE, Spain, Vigo Rio,
 Biomass: *Ascophyllum nodosum* 13322
 Population density: *Ascophyllum nodosum* 13322
SE, Spanish West Africa,
 Horizontal distribution: *Branchiostoma senegalense* 4068
 Spawning 4679
 Water circulation 4679
SE, Syria, Latakia,
 Geographical distribution: *Aporrhais uttingerianus* 12515
 New records: *Aporrhais uttingerianus* 12515
 Palaeontology: *Aporrhais uttingerianus* 12515
SE, Taranto Gulf,
 Bathyal zone: *Mollusca* 8642
 Benthos: *Invertebrata* 12089
 Biological collections: *Invertebrata* 12089
 Biomass: *Invertebrata* 12089
 Community composition: *Mollusca* 8642
SE, Togo,
 Coastal zone 5770
 Diseases: *Vibrio parahaemolyticus* 2464
 Ecology: *Vibrio parahaemolyticus* 2464
ASE, Trieste Gulf,
 Abundance Spawning: *Engraulis encrasicolus* 2808
 Life cycle Population structure: *Penilia avirostris* 1811
 Life cycle Temperature effects: *Cladocera* 1419
 Spawning: *Sardina pilchardus* 2808
 Water analysis (biological): *Escherichia coli* 9097
 Water analysis (biological): *Shigella sonnei* 9097
 Wind-driven currents Geographical distribution: *Chaetognatha* 1657
ASE, Tunis Gulf,
 Life cycle: *Calceostomatidae* 7134
 Parasites: *Calceostoma calceostoma* 7134
 Parasites: *Calceostomella inermis* 7134
 Parasites: *Dicrumenia bychowski* 7134
 Taxonomy: *Calceostomatidae* 7134
ASE, Tunisia,
 Abundance: *Clupeoidei* 3475
 Abundance: *Pisces* 11202
 Anatomy: *Cerastoderma glaucum* 11617
 Benthos 6987, 12101
 Biometrics: *Merluccius merluccius* 7487
 Bottom topography 6987
 Chlorinity: *Cerastoderma glaucum* 11617
 Echo surveys 11202
 Feeding behaviour: *Myliobatis aquila* 13254
 Feeding behaviour: *Scyliorhinus canicula* 11968
 Fisheries resources: *Clupeoidei* 3475
 Food consumption: *Scyliorhinus canicula* 11968
 Food organisms: *Myliobatis aquila* 13254
 Horizontal distribution: *Mollusca* 11602
 Horizontal distribution: *Pisces* 11202
 Lagoons: *Mollusca* 11602
 Morphology: *Clionidae* 7135
 New records: *Charopinus dubius* 2668
 New records: *Cliona carteri* 7135
 New records: *Cliona celata* 7135
 New records: *Pseudocharopinus malleus* 2668
 Oceanodromous migrations: *Merluccius merluccius* 7487
 Physical oceanography 6987
 Reproduction: *Merluccius merluccius* 7487
 Resource development: *Crasostrea gigas* 7834
 Salinity effects: *Mollusca* 11602
 Salt lakes: *Cerastoderma glaucum* 11629
 Seasonal variations: *Cerastoderma glaucum* 11629
 Sex ratios: *Merluccius merluccius* 7487
 Sexual reproduction: *Cerastoderma glaucum* 11629
 Shellfish culture: *Crasostrea gigas* 7834
 Shells: *Cerastoderma glaucum* 11617
 Size distribution: *Merluccius merluccius* 7487
 Spawning: *Cerastoderma glaucum* 11629
 Stomach contents: *Myliobatis aquila* 13254
 Taxonomy: *Cliona nigricans* 7135
 Vertical distribution: *Merluccius merluccius* 7487
 Zooplankton Population density: *Copepoda* 1875
ASE, Tunisia, Bizerte,
 Benthos 7488
 Habitat: *Perna perna* 7488
 Population density: *Cystoseira sediodes* 7488
 Population density: *Perna perna* 7488

ASE, Tunisia, Tunis L.,Fecundity: *Mugil* 7486Life cycle: *Mugil* 7486Sexual maturity: *Mugil* 7486Size distribution: *Mugil* 7486**ASE, Turkey,**Fishing operations Commercial species: *Pisces* 3367Geographical distribution: *Peyssonnelia* 11491New records: *Isopoda* 6408New records: *Tanaidae* 6408Taxonomy: *Peyssonnelia* 11491Terminology: *Pisces* 3367**ASE, Turkey, Fatsa,**

Fishery economics Fishing harbours 2083

ASE, Turkey, Izmir Bay,

Pollution surveys 7647

ASE, Tyrrhenian Sea,Benthos: *Algae* 7530

Demersal fisheries 4442

Fishing mortality 4442

Nannoplankton Taxonomy 451

Phytoplankton 3126, 7530

Primary production 3126

ASE, Valencia Gulf,Development Juveniles: *Neocalanus gracilis* 1449**ASE, Venice Gulf,**Marine pollution: *Mytilus galloprovincialis* 11068Oils: *Mytilus galloprovincialis* 11068Pollution monitoring: *Mytilus galloprovincialis* 11068**ASE, Venice Lagoon,**Abundance: *Tisbe* 11656Autecology: *Tisbe* 11656Circadian rhythm: *Carcinus mediterraneus* 11939Community composition: *Tisbe* 11656

Ecology Lagoons 319

Geographical distribution: *Tisbe* 11656Locomotion: *Carcinus mediterraneus* 11939New records: *Tursiops truncatus* 6416

Sediment analysis Pollution surveys 580

ASE, Venice Lagoon, Dese R.,

Aerial photography 11388

Salinity 11388

Water mixing 11388

Water quality 11388

ASE, West Africa,Fish catch statistics: *Scombridae* 13859Fisheries: *Scombridae* 13859**ASE, Western Sahara,**Enzymes: *Crustacea* 9688Nutrition: *Crustacea* 9688

Remote sensing 8954

Suspended matter 8954

Upwelling 8954, 9688

Zooplankton: *Crustacea* 9688**ASE, Yugoslavia,**

Marine pollution 7615

Microorganisms: *Bacteria* 12252Morphology (organisms): *Croconema* 11567Morphology (organisms): *Haptophyceae* 3847New species: *Desmodora ovigera* 11567

Pollution control 7615

Pollution effects: *Bacteria* 12252Taxonomy: *Croconema* 11567Taxonomy: *Desmodora ovigera* 11567**ASE, Yugoslavia, Kastela Bay,**

Chemical composition 6551

Nutritive value 6551

Phytoplankton 6551

ASE, Yugoslavia, Rovinj, Adriatic,Taxonomy Marine ecology: *Ascidacea* 305**Asia,**

Aquaculture 12548

Fishery products: *Cephalopoda* 13871

Floods 12694

Inland fisheries Resource development 3501

Shellfish fisheries: *Cephalopoda* 13871Trade: *Cephalopoda* 13871

Tropical cyclones 12694

Asia, Mekong R.,

Resource development Rivers 2279

Asia Minor,Geographical distribution New records: *Gammarus* 211Taxonomy New species: *Gammarus* 211**Assad L.,**

Fisheries resources 8926

Resource development: *Pisces* 8926**ASW,**Bathyal zone: *Pisces* 11750Bibliographies: *Polychaeta* 10376Biology: *Phocoena dioptrica* 13067Check lists: *Anguilliformes* 6227Check lists: *Pisces* 11750Check lists: *Polychaeta* 10376

Continental drift 3807

Feeding behaviour: *Opisthonema oglinum* 9351Fish catch statistics: *Thunnus thynnus* 4493Fish larvae: *Anguilliformes* 6227

Fisheries resources 12410

Fisheries resources: *Decapoda* 12462Fishery management: *Thunnus thynnus* 4493

Fishery surveys 12410

Geographical distribution: *Porphyra atropurpurea* 4764Geographical distribution: *Porphyra laciniata* 4764Geographical distribution: *Porphyra vulgaris* 4764

Geographical distribution Indicator organisms:

Myliobatis goodei 2883Geology: *Cephalopoda* 4587Life cycle: *Lutjanidae* 11816Marine ecology: *Chaetognatha* 8637Marine ecology: *Foraminifera* 8637Marine ecology: *Phocoena dioptrica* 13067Marine ecology: *Pteropoda* 8637

Marine geology 3807

Morphology: *Anguilliformes* 6227Morphology: *Bathypontia elongata* 10472Morphology: *Bathypontia kanaevae* 10472Morphology (organisms): *Malacoctenus**triangulatus* 2790Morphology (organisms): *Phocoena dioptrica* 13067

- New records: *Anguilliformes* 6227
 New records: *Chlopsis bicolor* 13151
 New records: *Chirolepis benthonis* 13151
 New records: *Echinozoa* 4810
 New records: *Facciolella physonema* 13151
 New records: *Nettodarus* 13151
 New records: *Parasudis trunculentus* 13151
 New records: *Saurenhelys cancrivora* 13151
 New species: *Bathypontia kanaevae* 10472
 New species: *Calliactis androgyna* 4045
 New species: *Leucicorus atlanticus* 6228
 New species: *Thyone pawsoni* 4810
 Otoliths: *Lutjanidae* 11816
 Palaeontology 3807
 Research programmes: *Phocoena dioptrica* 13067
 Resource development: *Crustacea* 12410
 Resource development: *Pisces* 12410
 Seasonal variations: *Chaetognatha* 4181
 Sediment analysis 4587
 Shellfish catch statistics: *Decapoda* 12462
 Shellfish culture: *Strombus gigas* 10815
 Shellfish fisheries 12462
 Stock assessment: *Crustacea* 12410
 Stock assessment: *Decapoda* 12462
 Stock assessment: *Pisces* 12410
 Taxonomy: *Calliactis androgyna* 4045
 Taxonomy: *Leucicorus atlanticus* 6228
 Taxonomy: *Malacoctenus triangulatus* 2790
 Taxonomy: *Pisces* 11750
 Taxonomy: *Polychaeta* 10376
 Taxonomy: *Porphyra* 4764
 Tectonics 3807
 Tides 12673
 Water masses 10180
 Zooplankton 4181, 8637
- ASW, Antilles,**
 New species: *Discapseudes holthuisi* 1452
 New species: *Halmyrapseudes spaansi* 1452
- ASW, Atlantic,**
 Currents 7995, 7996
 Hydrodynamics 7996
 Mathematical models 7995
 New species: *Pholoe swedmarki* 8144
 Reproduction: *Pholoe swedmarki* 8144
 Thermocline 7995
 Water circulation 7995, 7996
 Water mixing 7996
- ASW, Bahama Is.,**
 Bibliographies Resource availability 2250
 Coral reefs 5373
 Eggs: *Phaeoptyx conklini* 7285
 Excretion: *Algae* 9779
 Morphology Taxonomy: *Pisces* 2752
 Phytoplankton 9779
 Primary production 9779
 Reproduction: *Phaeoptyx conklini* 7285
 Respiration: *Algae* 9779
 Symbiosis: *Aurelia aurita* 7595
 Symbiosis: *Bartholomea annulata* 7594
 Symbiosis: *Lebrunia danae* 7594
 Symbiosis: *Scyllarus* 7595
- ASW, Bahama Is.,**
 Underwater exploration 8961
- ASW, Bahama Is.,**
 Underwater photography: *Hydrozoa* 5373
 Underwater photography: *Pisces* 5373
- ASW, Bahama Is.,**
 Underwater research vessels 8961
- ASW, Bahama Is., Bimini,**
 Protective behaviour: *Thalassoma bifasciatum* 10990
 Stinging organs: *Condylactis gigantea* 10990
 Symbionts: *Condylactis gigantea* 10990
 Symbionts: *Thalassoma bifasciatum* 10990
- ASW, Bahama Is., New Providence,**
 Fishing harbours 3394
- ASW, Bahama Isl., Great Abaco,**
 Coral reefs 4222
 Organic suspended matter 4222
- ASW, Barbados,**
 Check lists: *Pteropoda* 6570
 Migrations 7035
 New species: *Latirus bernadensis* 4899
 Sediment transport 7035
 Speciation: *Latirus* 4899
 Taxonomy: *Latirus* 4899
- ASW, Belize,**
 Benthos: *Echinoida* 3091
 Morphology (organisms): *Echinoida* 3091
 New species: *Emblemariopsis pricei* 6204
- ASW, Bermuda,**
 Atmospheric pressure 12597
 Coring 12699
 Geographical distribution: *Brachiopoda* 4065
 Geographical distribution: *Cliona flavifodina* 3889
 Geographical distribution: *Clionidae* 3889
 Growth rate: *Brachiopoda* 4065
 New record: *Doliopsis rubescens* 9523
 New species: *Cliona amplivavata* 3889
 New species: *Cliona paucispina* 3889
 Palaeontology 12699
 Seasonal variations: *Thaliacea* 9523
 Sediment analysis 12699
 Taxonomy: *Clionidae* 3889
 Trace constituents 12699
 Water pressure 12597
 Water temperature 12597
- ASW, Bermuda, Sargasso Sea,**
 Feeding behaviour Vertical distribution: *Sergestes* 355
- ASW, Bermuda, Tucker's Town Cove,**
 New species: *Metalinhomoeus torosus* 11564
 New species: *Odontophora bermudensis* 11564
 New species: *Trileptium otti* 11564
 Taxonomy: *Nematoda* 11564
- ASW, Blake Plateau,**
 Aggressive behaviour: *Xiphias gladius* 1697
 Noxious organisms Underwater research vessels: *Xiphias gladius* 1697
- ASW, Brazil,**
 Abundance: *Lucifer* 4184

- Abundance: *Sciaenidae* 8491
 Bathythermographs 9001
 Biogeography: *Beryciformes* 8847
 Biomass 4186
 Catch effort: *Pisces* 13757
 Check lists: *Balistidae* 9338
 Check lists: *Carangidae* 2755
 Check lists: *Isopoda* 5139
 Check lists: *Mollusca* 1616
 Coastal fisheries: *Thunnus* 12412
 Commercial fishing: *Scombridae* 12324
 Continental shelf 8032
 Currents 3753, 7994
 Currents: *Sardinella brasiliensis* 8361
 Development: *Sardinella brasiliensis* 8360
 Echo surveys 13755
 Ecology: *Sciaenidae* 8491
 Electrophoresis: *Lutjanus* 2811
 Environmental effects: *Copepoda* 9699
 Exploratory fishing 3437, 3438, 11206, 13753, 13754, 13757
 Exploratory fishing: *Beryciformes* 8847
 Exploratory fishing: *Penaus* 11205
 Exploratory fishing: *Penaus brasiliensis* 966
 Exploratory fishing: *Pisces* 11207, 11208, 11209
 Exploratory fishing: *Scombridae* 13756, 13756
 Eyes: *Teleostei* 8358
 Fish catch statistics: *Scombridae* 3476
 Fisheries resources 11206
 Fisheries resources: *Penaus* 11205
 Fishery economics: *Lutjanus purpureus* 1068
 Fishery surveys 3437, 3438, 11206, 13753, 13754, 13755
 Fishery surveys: *Penaus* 11205
 Fishing effort Fishing mortality: *Lutjanus purpureus* 425
 Geographical distribution: *Arene notialis* 1649
 Geographical distribution: *Balaenoptera acutorostrata* 9455
 Geographical distribution: *Cydonium glariosus* 9177
 Geographical distribution: *Echinoderma* 4061
 Geographical distribution: *Erylus formosus* 9177
 Geographical distribution: *Isopoda* 5139
 Geographical distribution: *Mysidacea* 3948
 Geographical distribution: *Polychaeta* 3874
 Geographical distribution: *Sandersiella bathyalis* 8500
 Geographical distribution: *Sciaenidae* 8491
 Geographical distribution: *Thunnus* 12412
 Geology 8032
 Growth Aging methods: *Lutjanus purpureus* 374
 Hydrodynamics 7994
 Hydrography 3681
 Interstitial environment: *Polychaeta* 3874
 Keys: *Carangidae* 2755
 Keys: *Macrochiridothea* 4945
 Larvae: *Sardinella brasiliensis* 8360
 Life cycle: *Balaenoptera acutorostrata* 9455
 Life cycle: *Sardinella brasiliensis* 8359
 Line fishing: *Scombridae* 3476, 12324
 Liver Fish oils: *Selachii* 2193
 Mathematical models Oceanographic data 1148
 Migrations: *Balaenoptera acutorostrata* 9455
 Morphology (organisms): *Balaenoptera acutorostrata* 9455
 Morphology (organisms): *Cydonium glariosus* 9177
 Morphology (organisms): *Enoplometopus antillensis* 8260
 Morphology (organisms): *Erylus formosus* 9177
 Morphology (organisms): *Sandersiella bathyalis* 8500
 Morphology (organisms): *Serolis* 4063
 Morphology (organisms): *Serolis foresti* 3949
 Mortality causes: *Pisces* 1224
 New record: *Homalopoma boffii* 1649
 New record: *Pseudomalax nobilis* 1648
 New record: *Serolis foresti* 3949
 New records: *Balistes carolinensis* 9338
 New records: *Cetorhinus maximus* 5140
 New records: *Eurydice littoralis* 4944
 New records: *Idotea metallica* 5139
 New records: *Macrochiridothea* 4945
 New records: *Serolis* 4062, 4063
 New records: *Stephanolepis hispidus* 9338
 New records: *Synidotea marplatensis* 5139
 New species: *Amphilepis teodora* 3863
 New species: *Amphioplus mathildae* 3863
 New species: *Eurydice elongata* 4944
 New species: *Eurydice emarginata* 4944
 New species: *Ischnochiton lopesi* 2603
 New species: *Macrochiridothea marculsi* 4945
 New species: *Ophiacantha brasiliensis* 3863
 New species: *Ophioleptoplax brasiliana* 3863
 New species: *Ophiomastus satellitae* 3863
 New species: *Ophiomusium anaelisae* 3863
 New species: *Serolis inermis* 4063
 New species: *Serolis mirabilis* 11662
 New species: *Serolis similis* 4062
 New species: *Synidotea brunnea* 8251
 New species: *Synidotea littoralis* 8251
 Nutrients (mineral): *Lucifer* 4184
 Oceanodromous migrations: *Thunnus albacares* 11894
 Oceanographic data 3681
 Potential yield: *Scombridae* 3476
 Production (biological): *Thunnus albacares* 11894
 Proteins: *Lutjanus* 2811
 Recording equipment 3753
 Reproduction: *Balaenoptera acutorostrata* 9455
 Resource development: *Scombridae* 12324
 Salinity effects: *Lucifer* 4184
 Satellites 3681
 Seasonal variations: *Copepoda* 9699
 Seasonal variations Stomach content: *Micropogon furnieri* 383
 Seaweeds Check lists 1296
 Seaweeds Taxonomy 1296
 Sediment analysis Chemical analysis 1224
 Sedimentation 8032
 Seining: *Scombridae* 12324
 Spawning grounds: *Sardinella brasiliensis* 8361
 Spawning seasons: *Sardinella brasiliensis* 8359
 Stomach content Seasonal variations: *Macrodon ancylodon* 383
 Taxonomy: *Beryciformes* 8847
 Terminology: *Carangidae* 2755
 Upwelling 3753

- Vertical distribution 4186
Vision: *Teleostei* 8358
Water circulation 7994
Water temperature 9001
Zooplankton 4186
- ASW, Brazil, Almofala,**
Fish catch statistics Fishing gear 833
Fish catch statistics Yield: *Pisces* 833
- ASW, Brazil, Atol das Rocas,**
Benthos: *Algae* 9542
Check lists: *Algae* 9542
Geographical distribution: *Algae* 9542
- ASW, Brazil, Cananeia,**
Albinism: *Dendrodoris krebsii* 2607
- ASW, Brazil, Ceara,**
Alimentary organs: *Lutjanus synagris* 2756
Catch statistics Trade: *Panulirus* 975
Demersal fisheries: *Panulirus* 3457
Digestive glands: *Lutjanus synagris* 2756
Digestive system: *Lutjanus synagris* 2756
Fecundity Correlation analysis: *Scomberomorus cavalla* 424
Fishing effort Population density: *Panulirus* 972
Fishing grounds: *Panulirus* 3457
Food organisms Stomach content: *Lutjanus synagris* 1723
Growth rate: *Panulirus laeviscauda* 2967
Parasites: *Ophichthys Lutjanus analis* 3000
Population parameters Seasonal variations: *Panulirus* 2156
Reproductive organs: *Opisthonema oglinum* 3033
Sexual maturity: *Opisthonema oglinum* 3033
Shellfish catch statistics: *Panulirus* 3457
Shellfish catch statistics Fishing effort: *Panulirus* 2155
Size distribution: *Panulirus laeviscauda* 2967
Spawning seasons: *Opisthonema oglinum* 3033
Trade Frozen products: *Panulirus* 2155
- ASW, Brazil, Fernando do Noronha Is.,**
Check lists Geographical distribution: *Decapoda* 1614
Check lists Geographical distribution: *Stomatopoda* 1614
- ASW, Brazil, Fortaleza,**
Sedimentology Coastal erosion 3342
- ASW, Brazil, Ilha Grande,**
Development: *Harengula pensacolatae* 5053
Eggs: *Harengula pensacolatae* 5053
Geographical distribution: *Branchiostoma plateae* 5138
Geographical distribution: *Bryozoa* 5137
Ichthyoplankton: *Harengula pensacolatae* 5053
Marine ecology: *Branchiostoma plateae* 5138
Marine ecology: *Bryozoa* 5137
Marine ecology: *Echiurida* 4811
New records: *Lissomyema exilii* 4811
New species: *Thalassema liliae* 4811
Oceanographic data 4811
Sediment structure 5137
Sediment structure: *Bryozoa* 5137
Spawning grounds: *Harengula pensacolatae* 5053
Taxonomy: *Echiurida* 4811
- ASW, Brazil, Ilha Sumitica,**
Developmental stages: *Serolis completa* 4946
- ASW, Brazil, Marajo I.,**
Anatomy: *Dermochelys coriacea* 11831
Geographical distribution: *Dermochelys coriacea* 11831
Morphology (organisms): *Dermochelys coriacea* 11831
New records: *Dermochelys coriacea* 11831
- ASW, Brazil, Parnaiba estuary,**
Check lists Surveys: *Pisces* 1615
- ASW, Brazil, Rio Grande do Sul,**
Demersal fisheries 11210
Exploratory fishing 11210
Fisheries resources 11210
Fishery surveys 11210
- ASW, Brazil, Salvador,**
Host-parasite systems: *Bunocotyle sudatlantica* 10368
Host-parasite systems: *Chaetodontidae* 10368
Host-parasite systems: *Mullus barbatus* 10368
Host-parasite systems: *Psettarioides kurochkini* 10368
New species: *Bunocotyle sudatlantica* 10368
New species: *Psettarioides kurochkini* 10368
Parasites: *Bunocotyle sudatlantica* 10368
Parasites: *Psettarioides kurochkini* 10368
- ASW, Brazil, San Sebastian Isl.,**
New species: *Pleurotomaria atlanticus* 8203
- ASW, Brazil, Sao Luis I.,**
Taxonomy: *Chlorophyta* 9118
- ASW, Brazil, Sao Paulo,**
Hybridization: *Mabuya* 8447
New species: *Scissurella alexandrei* 4876
New species: *Scissurella electilis* 4876
New species: *Scissurella morretesi* 4876
- ASW, Brazil, Ubatuba Region,**
Primary production 5391
- ASW, Caicos Isl., South Caicos,**
Coral reefs 4222
Organic suspended matter 4222
- ASW, Campeche Bank,**
Dissolved oxygen Annual variations 1174
Dissolved oxygen Seasonal variations 1174
Dissolved oxygen Vertical distribution 1174
Exploratory fishing: *Calamus bajonado* 2177
Exploratory fishing Trawling: *Haemulon aurolineatum* 2170
Feeding Seasonal variations: *Calamus bajonado* 2177
Geographical distribution: *Haemulon aurolineatum* 2170
Phosphates Annual variations 1242
Phosphates Horizontal distribution 1242
Phosphates Seasonal variations 1242
Phosphates Vertical distribution 1242
Plankton 1883
Population dynamics Seasonal variations: *Calamus bajonado* 1817
Population dynamics Seasonal variations: *Haemulon aurolineatum* 2170
Population studies: *Haemulon aurolineatum* 2170
Population studies Seasonal variations: *Calamus bajonado* 2177

Sex ratios: *Calamus bajonado* 1817
 Size distribution: *Calamus bajonado* 1817
 Water temperature Annual variations 1156
 Water temperature Horizontal distribution 1156
 Water temperature Seasonal variations 1156
 Water temperature Seasonal variations: *Calamus bajonado* 2177
 Water temperature Vertical distribution 1156

ASW, Caribbean,
 Benthos 7544, 7938
 Biomass 4182
 Chlorophylls 7574
 Community composition: *Algae* 12136
 Currents 3754, 12638, 12659
 Drifters 12643
 Ecosystems: *Zosteraceae* 12136
 Fish eggs: *Cheilopogon* 6259
 Fish larvae: *Cheilopogon* 6259
 Fisheries 4436
 Fishery biology: *Caretta caretta* 811
 Fishery biology: *Chelonia mydas* 811
 Fishery biology: *Eretmochelys imbricata* 811
 Fishery management: *Chelonia* 803
 Geographical distribution: *Photostylus pycnopterus* 6233
 Heavy metals: *Bacteria* 3231
 Herbivores: *Algae* 12136
 Herbivores: *Zosteraceae* 12136
 Hydrography 3755
 Hydrology 7938
 Indicator organisms 12616
 International exchange 4436
 Microbial contamination 3231
 Mineral resources 3817
 Morphology: *Cheilopogon* 6259
 New species: *Disco* 7210
 New species: *Pisces* 1520
 New species: *Sladenia* 7245
 Oil pollution 9820, 13455, 13455
 Palatability: *Algae* 12136
 Phytoplankton 7510
 Phytoplankton Check lists 1885
 Phytoplankton New records 1885
 Plankton 7938
 Pollution effects 13455
 Pollution surveys 9820
 Primary production 4182, 7574
 Rearing: *Cheilopogon* 6259
 Research programmes 3643
 Sea grass 7035
 Sea law 4539, 4540, 4541
 Sediment transport 12659
 Sedimentation 12659
 Sediments 4700, 5900
 Shellfish fisheries 4436
 Turtles Fisheries 811
 Upwelling 3755
 Uranium 12616
 Water analysis (chemical) 12616
 Water circulation 3754
 Water mixing 3755

Zooplankton 4182, 12616
 Zooplankton: *Cladocera* 7509
 Zooplankton: *Copepoda* 7509

ASW, Caribbean, Batabano Gulf,
 Bottom topography 10224
 Islands 10224
 Submarine features 10224

ASW, Caribbean Is.,
 Aquaculture 10009
 Check lists: *Cetacea* 2842
 Geographical distribution Fossils: *Radimella confragosa* 1639
 Keys: *Pseudovermilia* 2571
 Morphology (organisms): *Pseudovermilia* 2571
 New species: *Euaxocephalus pillsburyae* 1400
 Resource development 10009

ASW, Caribbean Is., Navassa Is.,
 Geology Erosion 98

ASW, Caribbean Isl.,
 Evolution: *Rudista* 3930
 Palaeontology: *Rudista* 3930

ASW, Carriacou I.,
 Migrations 7035
 Sediment transport 7035

ASW, Cayman Trench,
 Dissolved oxygen 6985
 Salinity 6985
 Water density 6985
 Water temperature 6985

ASW, Colombia,
 Currents 4709
 Submarine features 4709
 Taxonomy: *Rachovia* 7253

ASW, Colombia, Cienaga Grande de Santa Marta,
 Salinity effects: *Bacteria* 11913

ASW, Colombia, Magdalena R.,
 Migrations Bibliographies 4099

ASW, Colombia, Santa Marta,
 Marine ecology: *Hydroida* 3145

ASW, Costa Rica,
 Palaeontology: *Algae* 4581

ASW, Cuba,
 Aquaculture 4577
 Aquaculture Resource development 2056
 Bibliographic information 4577
 Biochemistry: *Holothuridae* 6061
 Continental shelf 11421
 Continental slope 11421
 Digestion: *Lutjanidae* 5270
 Digestion: *Pomadasyidae* 5270
 Digestion: *Serranidae* 5270
 Distribution: *Hollandia hollandi* 9371
 Distribution: *Phtheichthys lineatus* 9371
 Distribution: *Remora* 9371
 Ecology Community composition: *Thalassia* 1294
 Fisheries 4577
 Fisheries Resource development 2056
 Geographical distribution: *Pisces* 9343

Marine ecology 4577
 Marine ecology: *Balistidae* 12965
 Marine geology 11421
 Marine pollution 4577
 Morphology: *Achirus lineatus* 7266
 Morphology: *Balistidae* 12965
 Morphology: *Bothus* 2771
 Morphology: *Citharichthys* 7265
 Morphology: *Dactylopterus volitans* 2771
 Morphology: *Hollandia hollandi* 9371
 Morphology: *Phtheichthys lineatus* 9371
 Morphology: *Remora* 9371
 Morphology: *Symphurus plagusia* 7266
 Morphology: *Trinectes inscriptus* 7266
 Morphology Taxonomy: *Gobiidae* 269
 New records: *Pisces* 9343
 Oceanography 4577
 Ontogeny: *Harengula pensacola* 6261
 Stock assessment: *Katsuwonus pelamis* 13862
 Stock assessment: *Thunnus atlanticus* 13862
 Taxonomy: *Balistidae* 12965
 Taxonomy: *Bothus* 2771
 Taxonomy: *Dactylopterus volitans* 2771
 Taxonomy: *Peristedion* 6217
 Taxonomy: *Scorpaena* 6217
 Taxonomy: *Scorpenidae* 1518
 Taxonomy Morphology: *Eleotridae* 1517
 Taxonomy Morphology: *Gobiidae* 1517
 Taxonomy Morphology: *Guavina guavina* 269
 Taxonomy Morphology: *Luvarus imperialis* 2770
 Taxonomy Morphology: *Scomber japonicus* 2770
 Taxonomy Morphology: *Stromateidae* 2770

ASW, Cuba, Bank of Campeche,
 Ichthyoplankton 13360
 Spawning seasons: *Hamulon plumieri* 13360
 Spawning seasons: *Sardinella aurita* 13360
 Spawning seasons: *Scombridae* 13360
 Spawning seasons: *Sparidae* 13360

ASW, Cuba, Nipe Bay,
 Morphology (organisms): *Mugil longicauda* 9373
 New species: *Mugil longicauda* 9373

ASW, Cuban Shelf,
 Biomass: *Angiospermae* 7575
 Metabolic rate: *Angiospermae* 7575

ASW, Curacao,
 Abundance 6579
 Blood: *Crustacea* 8302
 Check lists 6579
 Community composition 6579
 Coral reefs 6579
 Coral reefs: *Corallohexia* 2660
 Geographical distribution: *Mysidacea* 2697
 Morphology (organisms): *Balanomorpha* 2696
 Morphology (organisms): *Mysidacea* 2697
 New records: *Aspidomolgus stoichactinus* 2698
 New records: *Balanus reticulatus* 2696
 New species: *Asteropontius* 2698
 New species: *Corallimorpharia* 2698
 New species: *Corallonoxia* 2660
 New species: *Corallohexia* 2660

New species: *Paramolgus* 2698
 Osmoregulation: *Crustacea* 8302
 Parasites: *Corallohexia* 2660

ASW, Florida Current,
 Current measurements Deep currents 49
 Methodology 5816
 Phytoplankton 5816
 Vorticity 2401

ASW, Florida, Everglades,
 Detritus 9788
 Food chains 9788
 Mangrove swamps 9788

ASW, Florida, Key West,
 New species: *Spiculata bijuri* 11162

ASW, Florida Straits,
 Environmental effects: *Bacillariophyta* 5345

ASW, France, Arcachon,
 Geographical distribution: *Mollusca* 5135
 New records: *Gibbula candei* 5135
 New records: *Glycymeris stellata* 5135
 New records: *Sepia pharaonis* 5135

ASW, French Guiana,
 Geographical distribution: *Batrachemys* 13085
 Taxonomy: *Phrynops nasutus nasutus* 13085

ASW, Grand Cayman,
 Caves: *Jenkinsia* 2742
 Chromatophores: *Jenkinsia* 2742
 Coral reefs 13375
 Coral reefs: *Jenkinsia* 2742
 Fats 13375
 Production (biological) 13375
 Schooling behaviour: *Jenkinsia* 2742
 Water analysis (chemical) 13375

ASW, Guadeloupe,
 Geographical distribution: *Agarna cumulus* 2892
 Geographical distribution: *Anilocra laticauda* 2892
 Geographical distribution: *Cymothoa oestrum* 2892

ASW, Guyana,
 Resource development Shellfish fisheries 3372

ASW, Jamaica,
 Biology Population dynamics: *Carangidae* 256
 Biology Population dynamics: *Decapoda* 205
 Biology Population dynamics: *Mullidae* 258
 Biology Population dynamics: *Pomadasyidae* 257
 Biology Population dynamics: *Serranidae* 255
 Check lists: *Copepoda* 9271
 Coral reefs 9738
 Coral reefs: *Montastrea annularis* 7429
 Diseases: *Lagenisma coscinodisci* 9649
 Diseases: *Palmeria hardmaniana* 9649
 Exploratory fishing Coral reefs: *Pisces* 2149
 Fisheries data Population parameters: *Pisces* 1030
 Fisheries resources: *Mullidae* 12446
 Fishery surveys: *Mullidae* 12446
 Geographical distribution: *Copepoda* 9271
 Growth: *Scleractinia* 9738
 Growth rate: *Millepora complanata* 10814
 Growth rate: *Montastrea annularis* 7429
 Isotopes: *Scleractinia* 9738

Life cycle: *Cypraea cinerea* 2600
 Light effects: *Millepora complanata* 10814
 New species: *Diarthrodes tetrastachyus* 9271
 Parasites: *Lagenisma coscinodisci* 9649
 Parasites: *Palmeria hardmaniana* 9649
 Population dynamics: *Cypraea cinerea* 2600
 Population parameters Biology: *Lutjanidae* 1489
 Population parameters Coral reefs: *Pisces* 1030
 Skeleton: *Scleractinia* 9738
 Stock assessment: *Mullidae* 12446
 Taxonomy: *Branchiostoma* 2792
 Taxonomy: *Carangidae* 256
 Taxonomy: *Mullidae* 258
 Taxonomy: *Pomadasyidae* 257

ASW, Jamaica, Kingston Harbour.
 Food chains: *Thalassia testudinum* 11970
 Grading: *Thalassia testudinum* 11970
 Population density: *Lytechinus variegatus* 11970
 Production (biological): *Thalassia testudinum* 11970

ASW, Marseilles Gulf,
 Plankton 4187, 12062

ASW, Martinique,
 Nature conservation 5531

ASW, Mexico,
 Geographical distribution: *Pleurobrachia bachei* 12079
 Indicator organisms 4199
 Morphology (organisms): *Ankylocythere barbouri* 2686
 Morphology (organisms): *Palaemonetes lindsayi* 2686
 Morphology (organisms): *Procamburus roberti* 2686
 Nyctimeral rhythms 4199
 Nyctimeral rhythms: *Nitzschia longissima* 4198
 Phytoplankton 4198
 Plankton 4199, 12079
 Taxonomy: *Pleurobrachia bachei* 12079
 Tidal currents 4199

ASW, Mexico Gulf,
 Acclimation: *Penaeus aztecus* 11921
 Acclimation: *Penaeus setiferus* 11921
 Beaches 6429
 Benthos 7544, 7938
 Biocoenoses 6429
 Biocoenosis Phytoplankton 1884
 Biological collections: *Asteroidea* 3859
 Bottom trawls: *Pisces* 11942
 Check lists 6429
 Chlorophylls 7574
 Climatology: *Foraminifera* 9066
 Commercial fishing: *Lutjanus campechanus* 4481
 Communities 7565
 Community composition: *Asteroidea* 3859
 Coral reefs 10945
 Currents 10186
 Drifters 12643
 Ecology 10945
 Electrophoresis: *Cynoscion nebulosus* 9677
 Environmental effects: *Bellerochea maleus* 9117
 Fisheries resources 9980
 Fishery biology: *Lutjanus campechanus* 4481
 Fishery economics: *Penaeidae* 11271
 Fishing gear 9980

Geographical distribution: *Asteroidea* 3859
 Geographical distribution: *Euchaetidae* 2690
 Geographical distribution: *Photostylus pycnopterus* 6233
 Growth rate: *Bellerochea maleus* 9117
 Growth regulators: *Bellerochea maleus* 9117
 Hydrology 7938
 Life cycle: *Lutjanus campechanus* 4481
 Mercury 9839
 Morphology (organisms): *Callinectes sapidus* 12877
 Morphology (organisms): *Centropages caribbeanensis* 12890
 Morphology (organisms): *Cetorhinus maximus* 8498
 Morphology (organisms): *Tintinnida* 8516
 Mortality: *Callinectes sapidus* 8751
 New records: *Cetorhinus maximus* 8498
 New records: *Pisces* 8646
 New species: *Euchaeta alaminae* 2690
 Oil pollution 9853
 Oil pollution Bioaccumulation: *Mugil* 519
 Oil pollution Bioassays: *Mugil* 519
 Oil pollution Chromatographic techniques: *Mugil* 519
 Oil removal Dispersants 624
 Oil spills Offshore technology 624
 Oil spills Pollution effects 624
 Palaeontology: *Foraminifera* 9066
 Parasites New records: *Steno bredanensis Helminthes* 1798
 Pesticides: *Callinectes sapidus* 8751
 Phytoplankton 5350, 7510
 Phytoplankton Biomass 1884
 Phytoplankton Check lists 1885
 Phytoplankton Community composition 1884
 Phytoplankton Geographical distribution 1884
 Phytoplankton New records 1885
 Phytoplankton Succession 1884
 Phytoplankton Upwelling 1884
 Phytoplankton Water masses 1884
 Plankton 7938
 Pollution effects 7565
 Pollution monitoring 9853
 Population dynamics: *Penaeidae* 5629
 Population structure Fisheries: *Scomberomorus maculatus* 259
 Primary production 7574
 Red tides 10945
 Red tides Coral reefs 764
 Red tides Water circulation: *Gymnodinium breve* 445
 Regional variations: *Cynoscion nebulosus* 9677
 Sea law 4541
 Seasonal variations 3756
 Sediment analysis 9853
 Sediment structure 2428
 Sediments 4700
 Sediments: *Foraminifera* 9066
 Shellfish fisheries 4525, 5629
 Shellfish fisheries: *Penaeidae* 11271
 Silicates: *Bellerochea maleus* 9117
 Social behaviour: *Pisces* 11942
 Spawning grounds Spawning seasons: *Scombridae* 254
 Stinging organs: *Ictaluridae* 5537
 Subpopulation: *Cynoscion nebulosus* 9677

- Taxonomy: *Centropages caribbeanensis* 12890
 Taxonomy: *Euchaetidae* 2690
 Taxonomy: *Tintinnida* 8516
 Taxonomy New species: *Oncaea latimana* 1454 -
 Taxonomy Population structure: *Scomberomorus maculatus* 259
 Temperature: *Penaues aztecus* 11921
 Temperature: *Penaues setiferus* 11921
 Temperature effects: *Bellerochea maleus* 9117
 Temperature effects: *Callinectes sapidus* 8751
 Upwelling Seasonal variations 1922
 Waste water Canning: *Penaues* 2191
 Water masses Production (biological) 1922
 Water masses Salinity 1922
 Water masses Seasonal variations 1922
 Water masses Water mixing 1922
 Water masses Water temperature 1922
 Wind-driven currents 3756
 Zoogeography 6429
- ASW, Mexico Gulf, Tamaulipas,**
 Resource development: *Crassostrea virginica* 7835
 Shellfish culture 7835
- ASW, Mexico, Veracruz, Pueblo Viejo Lagoon,**
 Limnology 8636
 Plankton 8636
- ASW, Netherlands Antilles,**
 Coral reefs 13373
 Ecology: *Acropora palmata* 13373
 Environmental effects: *Acropora palmata* 13373
 Hosts: *Octocorallia* 6131
 New species: *Acanthomolgus* 6131
- ASW, Netherlands Antilles, Curacao,**
 Coral reefs 7559
 Vertical distribution: *Algae* 7559
- ASW, Panama,**
 Baseline studies 13455
 Coral reefs 7560
 Electrophoresis: *Bathygobius* 10590
 Environmental effects 7560
 Evolution: *Bathygobius* 10590
 Genetics: *Bathygobius* 10590
 New species: *Ridgewayia fosshageni* 219
 Symbiosis: *Bartholomea annulata* 219
 Symbiosis: *Ridgewayia fosshageni* 219
- ASW, Panama, Portobelo,**
 Morphology (organisms): *Callistochiton portobelensis* 7179
 New species: *Callistochiton portobelensis* 7179
- ASW, Puerto Rico,**
 Bioaccumulation 4329
 Explosives Pressure effects: *Pisces* 724
 Geographical distribution: *Cubozoa* 4849
 Hermaphrodites: *Serranidae* 10783
 Landing statistics: *Scombridae* 12025
 Pesticides 4329
 Pollution monitoring 4329
 Sampling (biological): *Scombridae* 12025
 Size distribution: *Scombridae* 12025
- Social behaviour: *Scaridae* 10782
 Social behaviour: *Serranidae* 10783
 Trade: *Scombridae* 12025
- ASW, Puerto Rico, Cano Corazones,**
 Limnology Plankton 441
 Water analysis (chemical) Water analysis (physical) 441
- ASW, Puerto Rico Trench,**
 Dissolved oxygen 6985
 Metabolism Respiration 1289
 Salinity 6985
 Water density 6985
 Water temperature 6985
 Zooplankton: *Cladocera* 7509
 Zooplankton: *Copepoda* 7509
- ASW, Sargasso Sea,**
 Currents 3763
 Diving 5816
 Environmental requirements 7566
 Geographical distribution 7566
 Mathematical models 3763
 Morphology (organisms): *Bathypheysa sibogae* 7138
 Nannoplankton 3114
 Primary production 3114
- ASW, South America, Canal Zone,**
 Biogeography: *Berthella tupala* 4911
- ASW, South American Shelf,**
 New species: *Foraminifera* 10387
 Taxonomy: *Foraminifera* 10387
- ASW, Surinam,**
 Geographical distribution: *Chelonia mydas* 4051
 Morphology (organisms): *Chelonia mydas* 4051
 Reproduction: *Chelonia mydas* 4051
- ASW, Tobago,**
 Morphology: *Acanthosentis acanthuri* 1356
- ASW, Trinidad,**
 Autecology: *Conus ermineus* 3924
 Ecology: *Mytella* 6617
 Morphology (organisms): *Mytella* 6617
- ASW, Uruguay,**
 Anatomy: *Pontoporia blainvillei* 9471
- ASW, US Virgin Is.,**
 Experimental fishing 3477
 Exploratory fishing 3477
- ASW, US Virgin Is., St.Croix,**
 Coral reefs 8645
 Marine ecology 8645
 Marine geology 8645
 Palaeontology 8645
- ASW, USA,**
 Abnormalities: *Rachycentron canadum* 7256
 Benthos 9722
 Diseases: *Rachycentron canadum* 7256
 Estuaries 9722, 9840
 Exploratory fishing 4494
 Fish larvae 4478
 Fishery economics: *Penaeidae* 11271
 Fishery management: *Penaeidae* 4496, 5645
 Fishery resources: *Penaeidae* 4496

- Fishery surveys 4478, 4494
 Fossils: *Mollusca* 4176
 Geochemical cycle 13429
 Geographical distribution: *Rangia cuneata* 11964
 Heavy metals 9840, 13429
 Heavy metals: *Spartina alterniflora* 9866
 Juveniles: *Pisces* 4478
 Marine fisheries 6190
 New species: *Turbellaria* 11566
 Palaeontology: *Mollusca* 4176
 Pest control: *Aedes* 4410
 Pollution effects: *Spartina alterniflora* 9866
 Resource management 6190
 Salt marshes 9840, 13429
 Shellfish fisheries 4438, 4447, 4448
 Shellfish fisheries: *Penaeidae* 4496
 Stock assessment 4494
 Waste water Canning: *Penaeus* 2191
 Water analysis (chemical) 9866
- ASW, USA, Alabama,**
 Aquaculture: *Oncorhynchus kisutch* 4458
 Aquaculture: *Salmo gairdneri* 4458
 Geographical distribution: *Xanthidae* 5197
 Parasites New records: *Acanthocephala* 407
 Parasites New records: *Pisces* 407
- ASW, USA, Alabama, Mississippi Sound,**
 Embryology Brain: *Arius felis* 908
- ASW, USA, Alabama, Mobile Bay,**
 Currents 9922
 Dredging Biota 722
 Dredging Estuaries 722
 Ecosystems: *Protozoa* 4243
 Environmental effects: *Protozoa* 4243
 Food chains: *Protozoa* 4243
 Hydraulics 9922
 Models 9922
 New species: *Cienkowskyia arborescens* 161
 New species: *Microgrammia biportalis* 161
 New species: *Stephanopogon mobilensis* 161
 New species Taxonomy: *Protozoa* 161
 Population parameters: *Protozoa* 4243
 Salinity 9922
 Tides 9922
- ASW, USA, Florida,**
 Aggressive behaviour: *Pomatomus saltatrix* 7410
 Anatomy: *Panulirus argus* 10487
 Antifouling substances 9845
 Aquatic plants 11148
 Artificial reefs 11148
 Benthos 6576
 Boats: *Thalassia testudinum* 12280
 Check lists: *Cerithium litteratum* 11603
 Check lists: *Octocorallia* 11081
 Check lists: *Scleractinia* 11081
 Coastal structures 9026
 Coastal zone 6776, 11148
 Commercial species: *Istiophorus platypterus* 11159
 Community composition 12107
 Community composition: *Decapoda* 10467
 Conferences Red tides: *Gymnodinium breve* 33
 Copper 9845
 Currents Eddies 1186
 Development: *Diadema antillarum* 11573
 Development: *Phragmatopoma lapidosa* 11572
 Diffusion: *Bacteria* 13425
 Dispersion: *Cittarium pica* 6423
 Diversity index 6576
 Dredging: *Crassostrea virginica* 10260
 Ecology 12107
 Ecology: *Decapoda* 10467
 Economic analysis: *Tursiops truncatus* 4532
 Environmental effects: *Thalassia testudinum* 12280
 Erosion control 11148
 Erosion control Coastal erosion 789
 Feeding behaviour: *Pomatomus saltatrix* 7410
 Fish catch statistics: *Panulirus argus* 3480
 Fisheries regulations 4555
 Fisheries resources: *Panulirus argus* 3480
 Fishery biology: *Menippe mercenaria* 10876
 Food quality: *Sicyonia brevirostris* 10270
 Freezing storage: *Sicyonia brevirostris* 10270
 Geographical distribution: *Azotobacter* 10976
 Geographical distribution: *Cephalopoda* 11870
 Geographical distribution: *Cerithium litteratum* 11603
 Geographical distribution: *Cittarium pica* 6423
 Geographical distribution: *Decapoda* 10467
 Geographical distribution: *Hoplias malabaricus* 2913
 Geographical distribution: *Sphaeroma terebrans* 2912
 Growth: *Diadema antillarum* 11573
 Growth: *Gymnodinium breve* 10836
 Habitat improvement 11148
 Introduced species: *Hoplias malabaricus* 2913
 Iron: *Gymnodinium breve* 10836
 Landing statistics: *Menippe mercenaria* 10876
 Larvae: *Phragmatopoma lapidosa* 11572
 Length-weight relationships: *Panulirus argus* 10487
 Life cycle: *Gymnodinium breve* 5964
 Life cycle: *Istiophorus platypterus* 11159
 Mangrove swamps: *Pinctada radiata* 12257
 Microorganisms: *Sicyonia brevirostris* 10270
 Morphology (organisms): *Callinectes sapidus* 12877
 Mortality: *Spermatophyta* 12257
 New records: *Abraliopsis pfefferi* 11870
 New records: *Cerithium litteratum* 11603
 New records: *Corynoma speculator* 11870
 New records: *Helicocranchia pfefferi* 11870
 New records: *Pterygoteuthis pfefferi* 11870
 New species: *Asymmetrione clibanarii* 2675
 New species: *Epithelionematobothrium fragile* 1762
 New species: *Schikhobalotrema magnum* 1762
 Nitrogen cycle: *Azotobacter* 10976
 Nutrient cycles 9691
 Nutrient cycles: *Thalassia testudinum* 9764
 Oceanographic data Meteorological data 2330
 Oil pollution Beaches 2016
 Oil spills: *Spermatophyta* 12257
 Parasites: *Turgetacum longifauces Micropterus notius* 1357
 Parasites New species: *Micropolyclithrum parvum* 1762
 Parasites New species: *Mugil cephalus* 1762
 Pest control: *Tursiops truncatus* 4532

- Phytoplankton Red tides: *Gymnodinium breve* 482
 Poisons (biological): *Gomphospheria aponina* 6004
 Pollution effects: *Echinodermata* 12257
 Predation: *Cittarium pica* 6423
 Predators: *Tintinnidae* 6004
 Primary production: *Azotobacter* 10976
 Primary production: *Thalassia testudinum* 9764
 Red tides: *Gymnodinium breve* 5964, 6004, 10836
 Red tides Benthic zone: *Gymnodinium breve* 447
 Red tides Chemical analysis: *Gymnodinium breve* 749
 Red tides Conferences: *Gymnodinium breve* 31
 Red tides Ecology: *Gymnodinium breve* 739
 Red tides Economics: *Gymnodinium breve* 767, 777
 Red tides Horizontal distribution: *Gymnodinium breve* 763
 Red tides Monitoring: *Gymnodinium breve* 775
 Red tides Poisons (biological): *Gymnodinium breve* 748, 749, 754, 760
 Red tides Poisons (biological): *Osteichthyes* 760
 Red tides Poisons (biological): *Vertebrata* 754
 Red tides Population growth: *Gymnodinium breve* 739
 Red tides Predictions: *Gymnodinium breve* 732
 Red tides Public health: *Gymnodinium breve* 23, 43, 44, 775, 776
 Red tides Remote sensing: *Gymnodinium breve* 34
 Red tides Research programmes 21, 22, 442
 Red tides Research programmes: *Gymnodinium breve* 734
 Red tides Reviews: *Gymnodinium breve* 776
 Red tides Shellfish fisheries: *Gymnodinium breve* 775
 Red tides Temperature effects: *Gymnodinium breve* 732
 Red tides Toxicity: *Gymnodinium breve* 754, 776
 Red tides Toxicity: *Vertebrata* 754
 Red tides Water temperature: *Gymnodinium breve* 446
 Regional variations: *Cynoscion nebulosus* 9677
 Resource management 4555
 Salt marshes 12107
 Seaweed culture: *Eucheuma nudum* 6841
 Sediment analysis: *Thalassia testudinum* 12280
 Sediment transport 9026
 Sewage effluents: *Bacteria* 13425
 Shellfish fisheries: *Menippe mercenaria* 10876
 Spawning: *Diadema antillarum* 11573
 Sport fishing: *Istiophorus platypterus* 11159
 Subpopulation: *Cynoscion nebulosus* 9677
 Taxonomy New species: *Turgecacum longifauces* 1357
 Tides 3785
 Toxicity Red tides: *Gymnodinium breve* 760
 Toxicity Red tides: *Osteichthyes* 760
 Underwater exploitation: *Crassostrea virginica* 10260
 Water levels 3785
 Zooplankton 9691
- ASW, USA, Florida, Anclote Estuary,**
 Epiphytes: *Algae* 2497
 Morphology (organisms): *Ceramium byssoideum* 2497
- ASW, USA, Florida, Apalachee Bay,**
 Benthos 12241
 Pollution effects 12241
 Pollution effects: *Macrophyta* 11094
- ASW, USA, Florida, Apalachicola Bay,**
 Community composition: *Pisces Invertebrata* 11895
- Diurnal rhythm: *Pisces Invertebrata* 11895
 Estuaries 11895
 Seasonal variations: *Pisces Invertebrata* 11895
- ASW, USA, Florida, Biscayne Bay,**
 Abundance: *Bacteria* 5465
 Aquaculture: *Penaeus duorarum* 12002
 Disease control: *Penaeus duorarum* 12002
 Marine environment 4428
 Parasites: *Cestoda* 13299
 Parasites: *Penaeus duorarum* 12002
 Parasitic diseases: *Penaeus brasiliensis* 13299
 Parasitic diseases: *Penaeus duorarum* 13299
 Resource development 4428
 Resource management 4428
 Sewage 5465
- ASW, USA, Florida, Boca Ciega Bay,**
 Oxidation: *Gymnodinium breve* 6765
 Poisons (biological): *Gymnodinium breve* 6765
 Red tides: *Gymnodinium breve* 6765
- ASW, USA, Florida, Ceasar Creek,**
 Gases Biosynthesis: *Thalassia testudinum* 1225
 Sediments Gases 1225
- ASW, USA, Florida, East Pass,**
 Deltas 9023
 Sediment transport 9023
 Tidal currents 9023
- ASW, USA, Florida, Marco I., Factory Bay,**
 Reproductive behaviour: *Dasyatis americana* 6249
- ASW, USA, Florida Middle Ground Reef,**
 Biological collections: *Pisces* 10566
 Check lists: *Pisces* 10566
 Community composition: *Pisces* 10566
- ASW, USA, Florida, Old Tampa Bay,**
 Community composition: *Polychaeta* 4400
 Red tides: *Polychaeta* 4400
- ASW, USA, Florida shelf,**
 Current measurements Oceanographic data 2396
- ASW, USA, Florida, Tampa Bay,**
 Ecological distribution: *Polychaeta* 7366
 Intertidal environment: *Polychaeta* 7366
- ASW, USA, Florida, Treasure I.,**
 Anatomy: *Dendrodoris warta* 11619
 Coral reefs: *Dendrodoris warta* 11619
 New species: *Dendrodoris warta* 11619
- ASW, USA, Georgia,**
 Benthos 8044
 Community composition 5518, 6677
 Continental shelf 8031
 Detritus 9786
 Dredging 5517, 5518, 5519
 Estuaries 5871, 8044, 8049, 8061
 Fossils 8049
 Gravel 3819
 Gravel Resource development 108
 Gravel Test equipment 108
 Mathematical models: *Spartina* 9744
 Metals 8031
 Nutrient cycles 9790
 Pesticides 6677

Salt marshes 9786
 Salt marshes: *Spartina* 9744
 Sands 3819
 Sands Resource development 108
 Sands Test equipment 108
 Sediment analysis 8031
 Sediment structure 8044
 Sedimentology 8049
 Test equipment Underwater exploitation 108
 Tidal currents 5871
 Waste disposal 5517, 5519

ASW, USA, Georgia, Doboy Sound,
 Benthos 8047
 Estuaries 8047
 Salt marshes 8047

ASW, USA, Georgia, Ossabaw Sound,
 Benthos 8046, 8644
 Sediment structure 8644
 Sedimentology 8045

ASW, USA, Georgia, Sapelo I.,
 Energy budgets: *Crassostrea virginica* 13390
 Energy flow: *Crassostrea virginica* 12140
 Faecal pellets: *Mollusca* 11000
 Growth rate: *Crassostrea virginica* 13390
 Oxygen consumption: *Crassostrea virginica* 12140, 13390

ASW, USA, Georgia, Sapelo Isl., Duplin R.,
 Estuaries 8048
 Hydrography 8048
 Sediment structure 8048

ASW, USA, Louisiana,
 Biogeography: *Pisces* 8646
 Biological collections: *Pisces* 8646
 Coral reefs: *Pisces* 8646
 Currents 12666
 Fishery resources: *Penaeus* 4495
 Microbial contamination: *Ostreidae* 7884
 Potential yield: *Penaeus* 4495
 Research programmes 3651
 Salinity effects: *Thais haemastoma* 10746
 Shellfish culture Commercial availability: *Astacidae* 4465
 Shellfish culture Economics: *Astacidae* 4465
 Shellfish culture Marketing: *Astacidae* 4465
 Stock assessment: *Penaeus* 4495
 Tides: *Thais haemastoma* 10746
 Turbidity 12666
 Water circulation 12666

ASW, USA, Louisiana, Barataria Bay,
 Nutrients (mineral): *Spartina alterniflora* 7582
 Production (biological): *Spartina alterniflora* 7582

ASW, USA, Louisiana, Caminda Bay,
 Estuarine circulation 9047
 Tides 9047
 Winds 9047

ASW, USA, Mexico Gulf,
 Red tides Population growth: *Gymnodinium breve* 737
 Red tides Toxicity: *Gymnodinium breve* 737

ASW, USA, Mississippi,
 Aquatic plants 7106
 Detritus Degradation 1738
 Ecology 11857
 Pollution effects: *Mugil cephalus* 7300
 Resource management 11857
 Salt marshes 11857
 Sedimentation 11857
 Tumours: *Arius felis* 7301
 Tumours: *Mugil cephalus* 7300
 Tumours: *Paralichthys lethostigma* 7301

ASW, USA, Mississippi, Biloxi Bay,
 Growth rate: *Penaeus aztecus* 7386
 Migrations: *Penaeus aztecus* 7386
 Tagging: *Penaeus aztecus* 7386

ASW, USA, Mississippi Sound,
 Check lists: *Cnidaria* 7531
 Community composition: *Cnidaria* 7531
 Fisheries data: *Callinectes sapidus* 8850
 Keys: *Pisces* 3989
 Plankton: *Cnidaria* 8631
 Taxonomy: *Pisces* 3989
 Zooplankton: *Cnidaria* 7531

ASW, USA, South Carolina,
 Coastal erosion 3792
 Sediment transport 3792

ASW, USA, Texas,
 Algal blooms 4395
 Biomass: *Spartina alterniflora* 4225
 Coastal erosion 6748
 Diversity index 4363
 Dredging 3344
 Environmental factors: *Uca* 5183
 Estuaries 3702
 Eutrophication 4395
 Fishery economics Shrimps 2230
 Growth: *Mugil cephalus* 4128
 Hurricanes 9059
 Hydrodynamics Mathematical models 491
 Morphology (organisms): *Posidonia oceanica* 3844
 Morphology (organisms): *Thalassia testudinum* 3844
 New species: *Cercaria anadarae* 6033
 Ocean dumping 3344
 Parasites: *Anadara brasiliiana* 6033
 Parasites: *Cercaria anadarae* 6033
 Pollution effects: *Pisces* 4395
 Pollution monitoring Oil spills 559
 Red tides Mortality causes: *Invertebrata* 745
 Red tides Mortality causes: *Osteichthyes* 745
 Red tides Toxicity: *Invertebrata* 745
 Seasonal variations: *Mugil cephalus* 4128
 Sedimentation 9059
 Shellfish catch statistics Economics 2230
 Social behaviour: *Uca* 5183
 Sport fishing: *Selachii* 10093
 Thermal aquaculture: *Crassostrea virginica* 2003
 Thermal aquaculture: *Labyrinthomyxa marina* 2003
 Thermal pollution 4363, 6760
 Waste disposal 3344
 Water analysis (chemical) 3702

- Water analysis (physical) 3702
 Water management 710
 Water pollution Hydrodynamics 491
 Water quality 3702
 Water resources Waste disposal 710
 Water resources Waste water 710
 Water waves 6748
ASW, USA, Texas, Cameron County,
 Abundance: *Opisthobranchia* 12843
 Geographical distribution: *Opisthobranchia* 12843
 Life cycles: *Opisthobranchia* 12843
ASW, USA, Texas, Corpus Christi Bay,
 Water management 711
 Water quality 711
 Water quality Mathematical models 711
ASW, USA, Texas, Corpus Christi Harbor Channel,
 Aeration 13434
 Dispersal phenomena 13434
 Mathematical models 13434
 Organic suspended matter 13434
ASW, USA, Texas, Freeport,
 Oil spills Pollution effects 701
 Oil spills Predictions 701
ASW, USA, Texas, Galveston Bay,
 Bioaccumulation: *Crassostrea virginica* 622
 Chemical pollutants: *Penaeus aztecus* 11108
 Geographical distribution: *Nitzschia* 13352
 Geographical distribution: *Vibrio*
parahaemolyticus 13352
 Models 9024
 Oysters Oil pollution: *Crassostrea virginica* 622
 Plankton 13352
 Pollution effects: *Penaeus aztecus* 11108
 Pollution effects Bioaccumulation: *Crassostrea*
virginica 622
ASW, USA, Texas, Galveston I.,
 Beaches Pollution surveys 577
 Oil pollution Beaches 553, 577
 Oil pollution Chemical composition 553
ASW, USA, Texas, Lavaca Bay,
 Nutrient cycles 4258
ASW, USA, Texas, Mustang Island,
 Lethal limits: *Uca panacea* 7199
 Seasonal variations: *Uca virens* 7199
 Temperature effects: *Uca panacea* 7199
 Vegetation cover: *Salicornia* 7199
ASW, USA, Texas, Redfish Bay,
 Controlled conditions: *Zosteraceae* 11496
 Environmental effects: *Zosteraceae* 11496
 Reproduction: *Zosteraceae* 11496
ASW, Venezuela,
 Benthos: *Foraminifera* 13366
 Chromosomes: *Gobiosoma* 5310
 Chromosomes: *Perna perna* 4918
 Continental shelf: *Foraminifera* 13366
 Coring: *Gastropoda* 6933
 Fisheries: *Katsuwonus pelamis* 3370
 Fisheries: *Thunnus albacares* 3370
 Lagoons 4183, 5880
 Marine ecology: *Foraminifera* 13366
 Mathematical models 5880
 Morphology (organisms): *Phaeophyta* 3843
 New records: *Favella panamensis* 4183
 New records: *Oithona hebes* 4183
 Palaeontology: *Gastropoda* 6933
 Population genetics: *Gobiosoma* 5310
 Salinity 5880
 Speciation: *Gobiosoma* 5310
 Subpopulation: *Crassostrea virginica* 9241
 Taxonomy: *Phaeophyta* 3843
 Taxonomy: *Sargassum* 11484
 Water mixing 5880
 Zooplankton 4183
 Zooplankton: *Foraminifera* 13366
ASW, Venezuela, Caribbean,
 New species: *Cryptonemia delicatula* 10306
ASW, Venezuela, Margarita Isl.,
 Detritus 3810
ASW, West Indies,
 Biogeography: *Acanthomolgus* 6131
 Coral reefs: *Condylactis gigantea* 12137
 Keys: *Acanthomolgus* 6131
 Palaeontology: *Porifera* 3897
 Speciation: *Porifera* 3897
 Symbiosis: *Condylactis gigantea* 12137
 Symbiosis: *Malacoctenus macropus* 12137
 Taxonomy: *Porifera* 3897
ASW, West Indies, St. Lucia,
 Schooling behaviour: *Raninidae* 13194
ASW, Yucatan Channel,
 Currents 7997
 Hydrodynamics 7997
 Salinity Annual variations 1173
 Salinity Seasonal variations 1173
 Turbulence 7997
 Water masses Annual variations 1173
 Water masses Salinity 1173
 Water masses Seasonal variations 1173
ASW, Yucatan Current,
 Currents 12638
ASW, Yucatan Shelf,
 Atmospheric pressure Currents 1214
 Atmospheric pressure Upwelling 1214
Atmosphere,
 Evolution 11396
 Mathematical models 10204
 Pollution effects 11396
 Predictions 10204
 Water temperature 10204
Australia,
 Aquaculture 7791
 Aquaculture statistics 7791
 Biogeography: *Brachiopoda* 8154
 Biogeography: *Notonemouridae* 3981
 Catch statistics: *Thunnidae* 974
 Chemical analysis: *Amphibia* 8480
 Diseases: *Aphanomyces astaci* 7463
 Fisheries data 5726

- Fishery economics 2231
 Floods 12694
 Genetics Polymorphism: *Ranidella* 1829
 Geographical distribution: *Glacidorbis* 3925
 Hatcheries: *Machrobrachium rosenbergii* 3411
 Hatcheries Rearing 901
 Immunology: *Astacus* 7463
 Introduced species Geographical distribution: *Cyprinus carpio* 325
 New species: *Brachiopoda* 8154
 New species: *Giselatay* 1479
 New species: *Koenikea tinka* 1479
 New species: *Limnesia inga* 1479
 New species: *Limnesia maceripalpis* 1479
 New species: *Neumania gila* 1479
 New species: *Notonemouridae* 3981
 New species: *Unionicola lundbladi* 1479
 Palaeontology: *Brachiopoda* 8154
 Patents 5675
 Pearl culture Aquaculture statistics 924
 Processing fishery products 5675
 Processing fishery products Fishery management: *Haliotis* 3497
 Research institutions 4596
 Research programmes 11286
 Shellfish culture: *Machrobrachium rosenbergii* 3411
 Shellfish culture: *Penaeidae* 4606
 Shellfish fisheries: *Pectinidae* 5725
 Skin: *Amphibia* 8480
 Taxonomy: *Notonemouridae* 3981
 Trade 5726
 Trade: *Crustacea* 3596, 7899
 Trade: *Mollusca* 5728
 Trade: *Pectinidae* 5725
 Trade: *Pisces* 3596, 5728, 7899, 13933
 Trade Fisheries 2231
 Trade Fishery products 1071, 1072, 2231, 3594, 3595
 Trade Shellfish 3594, 3595
 Tropical cyclones 12694
 Water resources Resource development 1248
- Australia coasts,**
 Abundance: *Pinnipedia* 13071
 Bibliographic information: *Penaeidae* 5565
 Check lists: *Cancellariidae* 9245
 Conferences: *Penaeidae* 4606
 Fisheries 5556
 Fisheries regulations 5755
 Fisheries regulations: *Penaeidae* 5734
 Fisheries regulations: *Scombridae* 5658
 Fishery biology: *Penaeidae* 5632
 Fishery management: *Penaeidae* 5649
 Fishery management: *Scombridae* 5658
 Fishery surveys: *Panaeus esculentus* 25
 Fishery technology: *Penaeidae* 12483
 Geographical distribution: *Pinnipedia* 13071
 Geographical distribution: *Polychaeta* 7461
 Landing statistics: *Penaeidae* 5630
 Life cycle: *Penaeidae* 5178
 Life cycle Geographical distribution: *Centropogon australis* 2747
 Marine ecology 5556
- New species: *Cancellariidae* 9245
 Noxious organisms: *Selachii* 4639
 Processing fishery products: *Penaeidae* 12483
 Shellfish fisheries: *Penaeidae* 4606, 5565, 5632
 Taxonomy: *Cancellariidae* 9245
 Territorial waters 5755
- Australia, Inland waters,**
 Aerial surveys: *Sirenia* 8610
 Conservation: *Sirenia* 8610
 Stock assessment: *Sirenia* 8610
- Australia, Leake L.,**
 Palaeontology 4579
 Palynology 4579
- Australia, Maribyrnong R.,**
 Metals 12200
 Trace constituents 12200
- Australia, Melbourne,**
 Organic suspended matter 7952
 Spectroscopic techniques 7952
- Australia, Moruya R.,**
 Ecology Community composition: *Algae* 1292
- Australia, Mulwala L.,**
 Mathematical models 10217
 Nutrients (mineral) 10217
 Phosphorus 10217
 Water analysis (chemical) 10217
- Australia, Murray-Darling R.,**
 Taxonomy: *Maccullochella* 260
- Australia, New South Wales,**
 Mineral composition 2437
 Morphology (organisms): *Pseudophryne corroboree* 9467
 New species: *Rugosa* 10107
 Palaeontology: *Rugosa* 10107
 Speciation: *Pseudophryne corroboree* 9467
 Taxonomy: *Litoria aurea* 2843
 Taxonomy: *Pseudophryne corroboree* 9467
 Water analysis (chemical) 2437
- Australia, New South Wales, inland waters,**
 Absorption 10161
 Electromagnetic radiation 10161
 Water analysis (chemical) 10161
- Australia, New South Wales, Tumut R.,**
 Hatcheries Aquaculture statistics: *Salmonidae* 902
- Australia, New South Wales - Victoria, Genoa R.,**
 Geochemistry 10218
 Hydrology 10218
 Rocks 10218
 Water types 10218
- Australia, Queensland,**
 Books: *Pisces* 3627
 Taxonomy: *Pisces* 3627
- Australia, South Australia, Adelaide,**
 Economics 10082
 Fishing vessels 10082
- Australia, South Australia, Eyre L.,**
 Osmoregulation: *Amphibolurus maculosus* 9490
- Australia, Tasmania,**
 Ecology: *Parastacoides tasmanicus* 1599

- Australia, Townsville,**
Research institutions 11286
- Australia, Victoria,**
Hybridization: *Litoria ewingi* 13338
Hybridization: *Litoria paraewingi* 13338
Legislation 6904
Mercury: *Galeorhinus australis* 12163
Population genetics: *Litoria* 13338
Vocal behaviour: *Litoria* 13338
- Australia, Victoria, Bullenmerri L.,**
Hydrology 12681
Salinity 12681
- Australia, Victoria, Corangamite L.,**
Autecology: *Paratemia zietziana* 10983
Community composition: *Crustacea* 10983
Salinity tolerance: *Crustacea* 10983
Salt lakes: *Crustacea* 10983
- Australia, Victoria, Gnotuk L.,**
Hydrology 12681
Salinity 12681
- Australia, Victoria, Inland waters,**
New species: *Boccardia limnicola* 9190
- Australia, Victoria, Melbourne,**
River flow 8053
- Australia, Western Australia, Cheyne's Beach Whaling Stn.,**
Economics 13530
Energy budgets 13530
Fishery products 13530
Whaling 13530
- Australia, Western Australia, Kalgoorlie,**
Biocoenoses 7347
Community composition 7347
Ecology 7347
- Australia, Yarra R.,**
Metals 12200
Trace constituents 12200
- Austria,**
Freshwater pollution 6666
Hibernation: *Cyprinus carpio* 8832
Legislation 6666
Marking Stock assessment: *Salvelinus alpinus* 1016
Radioactive pollution 6666
Sex ratios: *Trichoptera* 10966
- Austria, Achensee L.,**
Biology: *Salvelinus alpinus* 10828
Feeding behaviour: *Salvelinus alpinus* 10828
Food organisms: *Salvelinus alpinus* 10828
- Austria, Danube R.,**
Microbiology 2463
Suspended matter 2358
Water analysis (chemical) Hydrology 2358
Water level 2358
Water quality 2463
- Austria, inland waters,**
Check lists: *Plecoptera* 8312
Indicator organisms: *Plecoptera* 8312
Seasonal variations: *Plecoptera* 8312
- Austria, Inn R., Schaerding-Neuhaus,**
Population density Sediment analysis: *Tubificidae* 2018
- Austria, Keutschach L.Valley,**
Geographical distribution: *Mollusca* 1392
- Austria, Lunzer Untersee,**
Epiphytes: *Ophrydium versatile* 1926
- Austria, Neusiedler L.,**
Energy flow: *Hemiptera* 4253
- Austria, Neusiedlersee,**
New records Geographical distribution:
Hydrocorisae 1632
- Austria, Piburger See,**
Life cycle: *Tanytarsus aculeatus* 10525
Morphology (organisms): *Tanytarsus aculeatus* 10525
Seasonal variations: *Tanytarsus aculeatus* 10525
- Austria, Saalfelden,**
Ecology: *Feltria schusteri* 6179
New species: *Feltria schusteri* 6179
- Austria, Salzkammergut,**
Parasites Parasite control: *Lota lota* 1802
- Austria, Steiermark,**
Detergents Toxicity: *Pisces* 3307
- Austria, Vienna,**
Conferences 2346, 10125
- Austria, Vorderer Finstertaler L.,**
Phytoplankton Primary production 3065
- Austria, Waldviertel,**
New species: *Flagellata* 4771
- Austria, Woerthersee,**
Euphotic zone 3122
Limnological data 1140
Pesticides 2359
Phytoplankton 3122
Primary production 3122
Water analysis (chemical) Seasonal variations 2359
- AW, USA,**
Oil pollution Chemical composition 570
Oil pollution Pollution surveys 570
- Azores,**
Introduced species: *Triturus cristatus* 7356
New records: *Triturus cristatus* 7356
- Bahama Is.,**
Fishery industry Education 3563
Fishery industry Quality control 3563
- Bahamas, Hamilton,**
Conferences 6950
- Bahrain,**
Check lists: *Amphibia* 9535
Check lists: *Reptilia* 9535
- Bangladesh,**
Check lists: *Oedogonium* 9116
Fisheries 1102
New species: *Oedogonium* 9116
Research programmes 1102
Stock assessment: *Platanista gangetica* 13836
- Bangladesh, Brahmaputra,**
Anatomy: *Platanista gangetica* 9471

Bangladesh, Dacca City,Check lists: *Oligochaeta* 7355**Bangladesh, Kinjher L.,**Zooplankton: *Calanoidea* 9714**Barbados,**New records: *Persephona punctata* 8262New records: *Portunus oblongus* 8262New species: *Falconoplax bicarinella* 8262New species: *Herbstia exserta* 8262New species: *Pinnixa perornata* 8262Palaeontology: *Decapoda* 8262**Belgium,**Aggregations: *Cyprideis torosa* 6460Biogeography: *Daphnia ambigua* 4060

Data processing Precipitations (atmospheric) 1220

Geographical distribution: *Daphnia ambigua* 4060**Belgium, Brussels,**

Conferences 12161

Belgium, Gelinden,Marl: *Acritarcha* 8635New species: *Dinoflagellata* 8635Palaeontology: *Dinoflagellata* 8635

Sedimentation 8635

Belgium, Meuse R.,

Methodology 13345

Periphyton 13345

Sampling (biological) 13345

Biosphere,

Biological rhythms 6935

Caesium 6686

Evolution 6935, 11396

Geophysics 6935

Growth 6935

Palaeontology 6935

Bolivia, Mamore R.,New species: *Caiman yacare* 2844Taxonomy: *Caiman yacare* 2844**Brazil,**

Aquariology 11995

Artisanal fishing Conferences 2284

Artisanal fishing Fishery organizations 2255

Autecology: *Pipa* 9603Bacterial diseases: *Carassius auratus* 11995Bacterial diseases: *Cyprinus carpio* 11995Blood Feeding behaviour: *Haementeria lutzi* 1379Canned products: *Sardina* 10080Cold storage: *Octopus vulgaris* 3568Cold storage: *Panulirus* 3528Competition: *Biomphalaria* 5304Coring: *Octopus vulgaris* 3568Fish culture: *Rhamdia hilarii* 13659Fish culture: *Rhamdia quelen* 13659Fish meal: *Opisthonema oglinum* 3529Fish oil extraction: *Opisthonema oglinum* 3529

Fishery products 7900, 10084

Fishery products: *Octopus vulgaris* 3568Growth: *Melosira italica* 9610Hybridization: *Biomphalaria* 5304Larvae Biology: *Thecomyia limbata* 242Marketing: *Sardina* 10080New records: *Ctenocheilocaris claudiae* 6135New records: *Hyla berthae* 4066New species: *Colostethus goianus* 4042New species: *Ctenocheilocaris claudiae* 6135Preservation (fishery products): *Panulirus* 3528Processing fishery products: *Panulirus* 3528Shellfish culture: *Crassostrea braziliiana* 13729Storage effects: *Opisthonema oglinum* 3529Taxonomy Biology: *Thecomyia limbata* 242

Trade 7900

Trade: *Crustacea* 10084Trade: *Mollusca* 10084Trade: *Pisces* 10084**Brazil, Amazon R., Castanho L.,**Environmental factors: *Pisces* 12105

Lakes 12105

Seasonal variations 12105

Brazil, Amazon R., Varzea L.,

Biotope 12106

Lakes 12106

Migrations 12106

Brazil, Amazonas,

Artisanal fishing Fishery economics 3585

Brazil, Guaiba R.,Check lists: *Porifera* 4067New records: *Corvospongilla bohmi* 4067New records: *Heteromeyenya stepanowii* 4067**Brazil, Minas Gerais, Diamantina, Cristais,**New species: *Tenagobia schreiberi* 2729**Brazil, Parana Medio,**Ageing methods: *Pisces* 7432Skeleton: *Pisces* 7432**Brazil, Parnaiba R.,**Length-weight relationships: *Ageneiosus valenciennesi* 10819**Brazil, 'Pereira de Miranda' Reservoir,**Catch effort: *Prochilodus cearensis* 11231Fishery biology: *Prochilodus cearensis* 11231**Brazil, Pereira de Miranda Reservoir,**Sampling (biological) Toxicants: *Pisces* 941**Brazil, Rio Grande do Sul,**

Fishery industry 7890

Brazil, Rio Grande do Sul, Guaiba R.,Anatomy: *Eupera* 9243Morphology (organisms): *Eupera klappenbachi* 9243New species: *Eupera klappenbachi* 9243**Brazil, Roraima,**

Benthos 5927

Lagoons 5927

Brazil, Sao Paulo State,

Freshwater pollution 9917

Industrial wastes 9917

Waste water 9917

Brazil, Xeriuini R.,Morphology: *Microschemobrycon meyburi* 5036New species: *Microschemobrycon meyburi* 5036

British Isles,

Abundance: *Triturus cristatus* 8418
 Agricultural runoff 6727
 Biogeography: *Odonata* 5549
 Biological data: *Triturus cristatus* 8418
 Cage culture: *Scophthalmus maximus* 13641
 Check lists: *Mollusca* 11606
 Check lists: *Odonata* 5549
 Chemical pollutants 6727
 Commercial fishing 9966
 Conservation: *Triturus cristatus* 8418
 Fish catch statistics 1234, 6863, 7891, 13817, 13818
 Fish catch statistics: *Anguilla* 13827
 Fish culture Artificial feeding 8830
 Fish culture Controlled conditions 7812
 Fisheries 6794
 Fisheries resources: *Anguilla* 13827
 Fisheries resources: *Micromesistius poutassou* 12492
 Fisheries statistics 6794, 6863
 Fishing industry Fisheries statistics 2262
 Fishing vessels 7891
 Fossils 6929
 Frozen products: *Pisces* 3592
 Geographical distribution: *Triturus cristatus* 8418
 Hydrology 8055
 International exchange Fishery industry 3504
 Keys: *Trichoptera* 6181
 Landing statistics 6863
 Legislation: *Triturus cristatus* 8418
 Limnological institutions 6
 Marine aquaculture: *Pleuronectes platessa* 13639
 Marine aquaculture: *Scophthalmus maximus* 13639
 Marine aquaculture Palatability: *Heterosomata* 3509
 Marketing: *Micromesistius poutassou* 12492
 Marketing Fishery products 3572
 Nature conservation: *Odonata* 5549
 New species: *Metacnephia amphora* 245
 Nitrogen 6727
 Ponds Seasonal variations 51
 Precipitations (atmospheric) 8055
 Rearing: *Scophthalmus maximus* 13639
 Research institutions Fishery technology 2286
 Research institutions Marine fisheries 3368
 River flow 8055
 Stock assessment: *Anguilla* 13827
 Taxonomy New species: *Metacnephia amphora* 245
 Trade: *Pisces* 1234, 3584, 7891, 13817

British Isles, Aberdeen,

Food technology: *Gadus morhua* 12477
 Freezing storage: *Gadus morhua* 12477
 Methodology: *Gadus morhua* 12477
 Quality control: *Gadus morhua* 12477

British Isles, Aberdeenshire, Ythan estuary,

Estuaries 8040
 Sediment structure 8040
 Shells 8040

British Isles, Anglesey, Newborough Warren,

Check lists: *Algae* 8653
 Community composition: *Algae* 8653
 Freshwater lakes: *Algae* 8653
 New records: *Algae* 8653

British Isles, Anglian Water Authority,
 Reports 10116

British Isles, Argyll, Ardrishaig,
 Research institutions 13581

British Isles, Avon R.,
 PCB 6699
 Pesticides 6699

British Isles, Ayrshire, Girvan,
 Fossils: *Trilobita* 13957
 New species: *Trilobita* 13957
 Palaeontology: *Trilobita* 13957

British Isles, Bangor,
 Conferences 8934
 Conferences: *Algae* 12554

British Isles, Berkshire, Freeman's Marsh,
 Aquatic plants 5771
 Books 5771
 Ecology: *Aves* 5771

British Isles, Blagdon L.,
 Community composition 3142
 Freshwater ecology 3142
 Surveys 3142

British Isles, Buckingham,
 Life cycle: *Ophrydium versatile* 6023
 Morphology (organisms): *Ophrydium versatile* 6023

British Isles, Caernarvonshire,
 Freshwater ecology: *Tricladida* 4246
 Population dynamics: *Tricladida* 4246
 Predation: *Tricladida* 4246

British Isles, Cambridgeshire, Great Ouse R.,
 Geographical distribution: *Mollusca* 8612
 Population density: *Mollusca* 8612

British Isles, Cheshire, Dunham Park,
 Freshwater ecology: *Enallagma cyathigerum* 5308
 Population studies: *Enallagma cyathigerum* 5308

British Isles, Clyde R.,
 Ecosystems 3177
 Pollution effects 3177

British Isles, Cornwall, Hayle R.,
 Pollution effects: *Asellus meridianus* 12263
 Tolerance: *Asellus meridianus* 12263

British Isles, Cumberland Basin,
 River discharge 8052

British Isles, Cumbria, Blelham Tarn,
 Iron Freshwater ecology: *Leptothrix ochracea* 118

British Isles, Devon,
 Catch statistics: *Perca fluviatilis* 4485
 Research institutions 5773
 Seasonal variations: *Perca fluviatilis* 4485

British Isles, Devon, Dart R.,
 Channels 8066
 River flow 8066

British Isles, Devon, Fernworthy Reservoir,
 Diseases: *Salmo trutta* 9654
 Parasites: *Eustrongylides* 9654
 Parasites: *Salmo trutta* 9654

British Isles, Devon, Slapton Ley,
Sampling (biological) Marshes: *Pisces* 953

British Isles, Dorset,
Fouling organisms Seasonal variations: *Algae* 2046
Sampling (biological) Electric fishing: *Cyprinidae* 939

British Isles, Dorset, Bere Stream,
Abundance: *Ephemera ignita* 10891
Growth: *Ephemera ignita* 10891
Population dynamics: *Ephemera ignita* 10891
Seasonal variations: *Ephemera ignita* 10891

British Isles, Dorset, Stour R.,
Age composition: *Squalius cephalus* 7426
Ageing methods: *Squalius cephalus* 7426
Feeding behaviour: *Squalius cephalus* 7426
Growth rate: *Squalius cephalus* 7426
Spawning: *Squalius cephalus* 7426

British Isles, East Anglia,
Population dynamics: *Rana temporaria* 9669

British Isles, England,
Biomass: *Algae* 9730
Chlorophylls: *Algae* 9730
Community composition: *Algae* 9730
Oil pollution Education 672
Oil spills Pollution control 672, 685
Seasonal variations 6995
Seasonal variations: *Algae* 9730
Water hardness: *Algae* 9730

British Isles, England, Audley End,
Autecology: *Daphnia magna* 9680
Enzymes: *Daphnia magna* 9680
Polymorphism: *Daphnia magna* 9680
Population genetics: *Daphnia magna* 9680

British Isles, England, Beaulieu Estuary,
Iron 9851
Manganese 9851
Salinity effects 9851
Water mixing 9851
Zinc 9851

British Isles, England, Essex,
Chemical control: *Chironomidae* 4423
New species: *Paratanytarsus* 4423

British Isles, England, Frome R.,
Annual variations 5856
Nutrients (mineral) 5856
River flow 5856
Water analysis (chemical) 5856

British Isles, England, Lancashire,
Freshwater ecology 10954
Freshwater pollution 10954
Rivers 10954

British Isles, England, Norfolk Broads,
Aquatic communities 4226
Biota 4226
Diversity index 4226
Ecology 4226

British Isles, England, Reading,
Abundance: *Siphona geniculata* 10859

Biological control: *Siphona geniculata* 10859
Larvae: *Tipula* 10859
Parasites: *Siphona geniculata* 10859

British Isles, England, Rostherne Mere,
Migrations: *Microcystis aeruginosa* 5171
Seasonal variations 5171

British Isles, England, Somerset,
Abundance: *Chlorophyta* 9115
Biomass: *Chlorophyta* 9115
Community composition: *Chlorophyta* 9115
Eutrophic lakes: *Algae* 4658
Limnology 4658
Phytoplankton: *Chlorophyta* 9115
Ponds: *Chlorophyta* 9115

British Isles, England, Yorkshire, River Tees,
River flow 4723
Seasonal variations 4723
Water temperature 4723

British Isles, Ewe L.,
Estuaries 9787
Nutrient cycles 9787
Zooplankton 9787

British Isles, Frome R.,
Age composition: *Esox lucius* 7233
Feeding: *Esox lucius* 7233
Reproduction: *Esox lucius* 7233

British Isles, Hertfordshire,
Pollution monitoring 4291
Resource management 4291
Water quality 4291

British Isles, Hertfordshire, Stevenage,
Research institutions 8924
Water pollution 8924

British Isles, Inland waters,
Arsenic Sediment analysis 1963
Carbon dioxide: *Algae* 9706
Community composition: *Algae* 9706
Geographical distribution Vegetation cover 1291
Keys Vegetation cover 1291
Life cycle: *Diplostomulum* 12014
Migrations: *Salmo* 9560
Nervous system: *Lampetra fluviatilis* 12014
Parasites: *Bithynia tentaculata* 12014
Parasites: *Lampetra fluviatilis* 12014
pH: *Algae* 9706
Photosynthesis: *Algae* 9706
Phytoplankton: *Algae* 9706
Population genetics: *Salmo salar* 6546
Rivers Arsenic 1963
Serological studies: *Salmo salar* 6546
Tagging: *Salmo* 9560

British Isles, Kinross, Leven L.,
Stock assessment Tagging: *Salmo trutta* 1013

British Isles, Lancashire,
Fish counters Electrical conductance 950

British Isles, Lee R.,
Nutrients (mineral): *Ranunculus penicillatus* 8114
Water analysis (chemical): *Ranunculus penicillatus* 8114

- British Isles, Leicestershire,**
Parasites: *Eylais Sigara* 1801
Parasites: *Hydrachna Sigara* 1801
- British Isles, Lincolnshire, Wiltam R.,**
Life cycle: *Sphaerium solidum* 2601
- British Isles, Liverpool,**
Conferences 12522
- British Isles, Loch Lomond,**
Hermaphrodites: *Coregonus lavaretus* 1542
- British Isles, London,**
Conferences 3162, 4607, 8931
Symposia 2280
- British Isles, Lough Neagh,**
Growth: *Oscillatoria redekei* 2974
Population dynamics: *Oscillatoria redekei* 2974
Seasonal variations: *Oscillatoria redekei* 2974
- British Isles, Norfolk, Alderfen Broad,**
Grazing: *Chironomidae* 3123
Periphyton 3123
- British Isles, Northern Ireland,**
Fishery organizations 8923
- British Isles, Northern Ireland, Blaxter L.,**
Benthos: *Chironomus lugubris* 5359
Benthos: *Glyptotendipes paripes* 5359
Mud 5359
- British Isles, Northern Ireland, Lough Neagh,**
Coring 4708
Ecosystems 4245
Larvae: *Chironomidae* 12030
Magnetism 4708
Population density: *Chironomidae* 12030
Sedimentology 4708
Silicates 4245
Water analysis (chemical) 4245
- British Isles, Northern Ireland, Neagh L.,**
Eutrophic lakes: *Algae* 13351
Oxygen consumption: *Algae* 13351
Population dynamics: *Algae* 13351
- British Isles, Oban,**
Conferences 8933
Marine ecology 8933
- British Isles, Orkney,**
Geographical distribution New records: *Nepa cinera* 332
- British Isles, Scotland,**
Conferences 12509
Fisheries statistics 3444
Geographical distribution: *Hydroporus glabriusculus* 10526
Inland fisheries: *Salmonidae* 12327
Keys: *Hydroporus* 10526
New records: *Hydroporus glabriusculus* 10526
Research institutions Marine ecology 2285
Rivers 12708
Sedimentation 12708
- British Isles, Scotland, Aberdenshire, Loch of Strathbeg,**
Environmental factors: *Salmo trutta* 7425
Growth rate: *Salmo trutta* 7425
Length-weight relationships: *Salmo trutta* 7425
- British Isles, Scotland, Aviemore,**
Conferences Fishery surveys 28
River fisheries Inland fisheries 1108
- British Isles, Scotland, Ayr,**
Conferences 12555
- British Isles, Scotland, Edinburgh,**
Conferences 3656
- British Isles, Scotland, Forth R.,**
Fish catch statistics 5424
Pollution effects: *Pisces* 5424
- British Isles, Scotland, Inland waters,**
Abyssal zone: *Bryophyta* 11874
Habitat: *Bryophyta* 11874
New records: *Bryophyta* 11874
- British Isles, Scotland, Lakes,**
Benthos: *Bryophyta* 12739
Ecology: *Bryophyta* 12739
Light penetration 12739
- British Isles, Scotland, North Esk R.,**
Sampling (biological) Stock assessment: *Salmo salar* 1007
- British Isles, Scotland, Tweed R.,**
Geographical distribution: *Angiospermae* 2923, 2924
Geographical distribution: *Bryophyta* 2923, 2924
Geographical distribution: *Lichenes* 2923
- British Isles, Severn R.,**
Life cycle: *Ephemeroptera* 8317
Life cycle: *Megaloptera* 8317
Life cycle: *Trichoptera* 8317
Thermal pollution: *Ephemeroptera* 8317
Thermal pollution: *Megaloptera* 8317
Thermal pollution: *Trichoptera* 8317
- British Isles, Shropshire,**
Ground water 3814
Hydrology 3814
Keys: *Invertebrata* 1350
Nutrients (mineral) 3814
Temperature 3814
- British Isles, Slapton Ley,**
Community composition 3141
Ecosystems 3141
Eutrophic lakes 3141
Parasites: *Pisces* 3141
- British Isles, South Downs,**
Hydrology Ground water 2439
Water management 2439
- British Isles, Stow R.,**
Age composition: *Esox lucius* 7233
Feeding: *Esox lucius* 7233
Reproduction: *Esox lucius* 7233
- British Isles, Suffolk, Icklingham,**
Community composition: *Mollusca* 12514
Geographical distribution: *Lyrodiscus skertchlyi* 12514
New species: *Lyrodiscus skertchlyi* 12514
Palaeontology: *Mollusca* 12514
- British Isles, Sussex,**
Environmental effects: *Plectrocnemia conspersa* 8679

Environmental effects: *Sialis fuliginosa* 8679

Predation: *Plectrocnemia conspersa* 8679

Predation: *Sialis fuliginosa* 8679

British Isles, Tay R.,

Benthos 8643

Check lists 8643

Coriolis force 7999

Ecosystems 8643

Hydrology 8059

Salinity 7991

Tides 7999

Vertical distribution 7991

Water analysis (chemical) 8059

Water circulation 7991, 7999

Water level 7999

British Isles, Wales,

Ageing methods: *Thymallus thymallus* 7424

Baseline studies Trace constituents 2002

Check lists: *Ephemeroptera* 2723

Check lists: *Plecoptera* 2723

Growth rate: *Thymallus thymallus* 7424

Length-weight relationships: *Thymallus thymallus* 7424

Nutrients (mineral) 8054

Oil pollution Legislation 665

Oil pollution Pollution control 665

Precipitations (atmospheric) 8054

Sediment analysis Estuaries 2002

Sediment analysis Rivers 2002

Trace constituents Sediment analysis 2002

Water quality 8054

British Isles, Wales, Cardiganshire,

Freshwater pollution 5499

Heavy metals 5499

British Isles, Wales, Ebbw Fawr R.,

Pollution effects: *Eurhynchium riparioides* 12180

Pollution monitoring: *Eurhynchium riparioides* 12180

British Isles, Wales, Inland waters,

Abundance: *Crenobia alpina* 12145, 12145

Benthos 11436

Competition: *Crenobia alpina* 12145

Competition: *Polycelis felina* 12145

Sampling (biological) 11436

Temperature effects: *Leptophlebia vespertina* 5185

Temperature effects: *Nemoura avicularis* 5185

British Isles, Wales, Merioneth, Dee R., Corwen,

New species: *Leucocarpopsis devensis* 11485

British Isles, Wales, Nant-y-Moch Reservoir,

Community composition: *Algae* 11873

Diversity index: *Algae* 11873

Environmental effects: *Algae* 12118

Environmental factors: *Algae* 11873

Horizontal distribution: *Algae* 11873

Photosynthesis: *Algae* 12118

Primary production: *Algae* 12118

British Isles, Wales, Ogof Ffynnon Ddu,

Water analysis (chemical) 2379

British Isles, Westmorland, Inland waters,

Check lists: *Invertebrata* 4227

Ecology: *Invertebrata* 4227

British Isles, Westmorland, Tees R.,

Population dynamics Environmental effects: *Pisces* 1822

British Isles, Windemere L.,

Sampling (biological) Fishing gear: *Pisces* 820

Tagging Stock assessment: *Pisces* 1011

British Isles, Worcester-Birmingham Canal,

Life cycle: *Mollusca* 7176

Seasonal variations Parasites: *Cryptochironomus Mollusca* 403

British Isles, Yorkshire,

New records: *Diptera lithotelmatica* 2900

British Isles, Yorkshire, Ribble R.,

Pollution effects: *Bacillariophyceae* 8762

British Isles, Yorkshire, Swaledale,

Caves 8062

Hydrology 8062

Bulgaria,

New records: *Urceolariidae* 1754

New species: *Balkanostenasellus* 206

Parasites: *Pisces* 1754, 1755

Parasites Fish culture: *Salmo gairdneri* 1756

Taxonomy: *Stenasellinae* 206

Burundi, Tanganyika L.,

Fishery surveys Pelagic fisheries 934

Fishery surveys Stock assessment: *Pisces* 1018

Marketing Artisanal fishing 2228

Processing fishery products Resource development:

Stolothrissa tanganyicae 3517

Cameroon,

Geographical distribution: *Potamopyrgus ciliatus* 11595

Habitat: *Ludwigia adscendens* 11595

New records: *Potamopyrgus ciliatus* 11595

Cameroon, Inland waters,

Check lists: *Tylenchides* 1361

Canada,

Aquariology 11197

Benthos: *Invertebrata* 3092

Chemical oceanography 12542

Conservation 8898

Education 8918

Eutrophic lakes: *Salmo gairdneri* 11179

Eutrophic lakes Oxidation: *Bacteria* 67

Fish eggs Reservoirs 2172

Fish protein concentrate Processing fishery products 3520

Fish wastes 8870

Fisheries regulations 4556

Fishery industry plants 8870

Fishery industry plants: *Chionoecetes opilio* 8867

Fishery organizations: *Salmonidae* 12535

Fishery organizations Research institutions 1098

Freshwater ecology: *Invertebrata* 3092

Geographical distribution: *Gammarus duebeni* 2661

Hosts: *Salvelinus alpinus* 9657

Inland fisheries 12313

International exchange Resource development 3590

Legislation 8898

Limnology Oxidation: *Bacteria* 67

Mortality causes: *Salmo gairdneri* 11179

- New records: *Pisces* 5143
 New species: *Bulbodacnitis alpinus* 9657
 Oceanographic institutions Research programmes 2257
 Oil spills Computer applications 682
 Oil spills Equipment 530
 Oil spills Pollution control 526, 530, 682
 Oil spills Research programmes 526
 Parasites: *Invertebrata* 9657
 Physical oceanography 12541, 12623
 Pollution control 5515, 5547
 Processing fishery products: *Chionoecetes opilio* 8867
 Red tides Monitoring 774
 Red tides Public health 774
 Research institutions 4591, 4594
 Research programmes 12541, 12542, 12623
 Resource management 3825, 5515, 5547
 Thermal stratification Eutrophic lakes: *Bacteria* 67
 Water resources 3825
- Canada, Alberta,**
 Life cycle: *Eubrachipus bundyi* 8275
- Canada, Alberta, Calgary,**
 Conferences 12539
- Canada, Alberta, Kananaskis Valley,**
 Life cycle: *Tipula sacra* 8316
 Ponds: *Tipula sacra* 8316
- Canada, Alberta, Kanansaskis Valley,**
 Energy flow Ecosystems 3153
- Canada, Alberta, Lake Wabamun,**
 Epiphytes Thermal pollution: *Algae* 1988
- Canada, Alberta, Newsone Pond,,**
 Life cycle: *Helobdella stagnalis* 12783
 Reproduction: *Helobdella stagnalis* 12783
- Canada, Alberta, Peace R.,**
 Abundance: *Pisces* 6191
 Check lists: *Pisces* 6191
 Geographical distribution: *Pisces* 6191
- Canada, Alberta, Upper Waterfowl Lake,**
 Deltas 8016
 Geology 8016
 Sedimentation 8016
- Canada, Alberta, Wabamun L.,**
 Population dynamics: *Physa gyrina* 9877
 Thermal pollution: *Physa gyrina* 9877
- Canada, Assiniboine R.,**
 Fecundity: *Hiodon tergisus* 8362
- Canada, British Columbia,**
 Food chains: *Salmonidae* 6601
 Food composition: *Ambystoma gracile* 5231
 Fossils: *Longusorbis cuniculosus* 2669
 Freshwater ecology 6759
 Geographical distribution: *Angiospermae* 12113
 Geology 8911
 Growth rate: *Ambystoma gracile* 5231
 Larvae: *Ambystoma gracile* 5231
 New species: *Longusorbis cuniculosus* 2669
 New species Parasites: *Rhabdochona kisutchi*
Oncorhynchus kisutch 160
 Nutrients (mineral) 3730
 Palaeontology 8911
- Predation: *Salmonidae* 6601
 Runoff 3730
 Salinity effects: *Angiospermae* 12113
 Sampling (biological) Methodology: *Pisces* 961
 Water analysis (chemical) 3730
- Canada, British Columbia, Brunette basin,**
 Heavy metals 12202
 PCB 12202
 Watersheds 12202
- Canada, British Columbia, Fraser R.,**
 Check lists: *Algae* 12743
 Ecology Communities 1604
 Keys: *Algae* 12743
 New records: *Algae* 12743
 Pesticides: *Decapoda* 8777
 Pesticides: *Mollusca* 8777
 Pesticides: *Pisces* 6714, 8777
- Canada, British Columbia, Great Central L.,**
 Habitat improvement Fertilizers 2089
 Oligotrophic lakes Growth: *Oncorhynchus nerka* 2089
- Canada, British Columbia, Lakes,**
 Harvesting 13399
 Nutrients (mineral) 13399
- Canada, British Columbia, Lillooet L.,**
 Sedimentation 2417
- Canada, British Columbia, Lower Fraser R.,**
 Freshwater pollution Pollution monitoring 506
 Mathematical models Water quality 1937
 Pollution control Economic analysis 2013
 Water quality 708
- Canada, British Columbia, Marion L.,**
 Life cycle: *Helobdella stagnalis* 12783
 Parasites: *Chironomidae* 5280
 Parasites: *Fungi* 5280
 Reproduction: *Helobdella stagnalis* 12783
 Temperature effects: *Helobdella stagnalis* 12783
- Canada, British Columbia, Nanaimo R.,**
 Juveniles: *Oncorhynchus tshawytscha* 6443
 Migrations: *Oncorhynchus tshawytscha* 6443
 Tagging: *Oncorhynchus tshawytscha* 6443
- Canada, British Columbia, Patricia Bay,**
 Oceanographic institutions 6942
- Canada, British Columbia, Vancouver Is., Great Central L.,**
 Age composition: *Salmo clarki* 6483
 Ecology: *Salmo clarki* 6483
 Growth: *Salmo clarki* 6483
 Stomach contents: *Salmo clarki* 6483
- Canada, Char L.,**
 Benthos 10969
 Ecosystems 10969
 Primary production 10969
- Canada coasts,**
 Chemical oceanography 10176
- Canada, Erie L.,**
 Nutrients (mineral) 9011
 Sedimentation 9011

Canada, Front L.,

Environmental effects: *Chironomidae* 6755
Tidal waves 6755

Canada, Gentilly, St. Lawrence R.,

Aquatic plants: *Gastropoda* 7748
Biological data: *Gastropoda* 7748
Environmental effects: *Gastropoda* 7748
Nuclear energy: *Gastropoda* 7748
Sampling (biological) 7748

Canada, Great Lakes Region,

Pollution surveys: *Enterobacteriaceae* 8696

Canada, Inland waters,

Benthos 12094
Conservation 8796
Eutrophication 8796
Freshwater lakes 8796
Geographical distribution: *Dicamptodon* 10662
History 8796
Migrations 12094
New species: *Myxobilatus yukonensis* 4818
Parasites: *Myxobilatus yukonensis* 4818
Succession 12094

Canada, Labrador,

Biogeography: *Bacillariophyta* 4758
Biological collections: *Algae* 8098
Check lists: *Algae* 6426, 8097
Freshwater: *Algae* 8097
Freshwater lakes: *Algae* 8098
Geographical distribution: *Bacillariophyta* 6426
Geography 4758
New records: *Algae* 8097, 8098

Canada, Labrador Lakes,

Nutrients (mineral) 4237
Phytoplankton 4237
Primary production 4237

Canada, Labrador, Melville L.,

Geology 8017
Sediment analysis 8017

Canada, Manitoba,

Eutrophication Mortality causes: *Pisces* 2114
Ponds Mortality causes: *Pisces* 2114

Canada, Manitoba, Agassiz L.,

Geology 8019
Sediment analysis 8019

Canada, Manitoba, Rat R.,

Benthos 13367
Diversity index: *Invertebrata* 13367

Canada, Montreal, McGill Univ.,

Education 12536
Reports 12536
Research institutions 12536

Canada, New Brunswick,

Fishery surveys: *Salmo salar* 7802
Life cycle Population studies: *Petromyzon marinus* 252
Production (biological): *Salmo salar* 7802
Tagging: *Salmo salar* 7801

Canada, New Brunswick, Big Salmon R.,

Migrations: *Salmo salar* 10734
Tagging: *Salmo salar* 10734

Canada, New Brunswick, St. John R.,

Fish counters Guiding devices 951

Canada, New Brunswick, St John R.,

Life cycle Reproduction: *Alosa sapidissima* 1540

Canada, Newfoundland,

Ecology: *Neomesomeris flumenalis* 6508
Fish culture: *Salmo salar* 13640
Habitat improvement: *Salmo salar* 13640
Hosts: *Prosimulium* 6508
Parasites: *Nematoda* 4158
Parasites: *Neomesomeris flumenalis* 6508
Stocking: *Salmo salar* 13640
Viral diseases Larvae: *Cnephia mutata* 404

Canada, Newfoundland, St Johns,

Check lists: *Algae* 10287

Canada, North West Territories, Somerset Isl.,

Palaeontology 8352

Canada, North West Territory, Char L.,

Freshwater ecology: *Chironomidae* 9508
Life cycle: *Chironomidae* 9508

Canada, North West Territory, Keewatin,

Geographical distribution: *Ondatra zibethica* 1636
New records: *Ondatra zibethica* 1636

Canada, North West Territory, Yellowknife,

Plankton 6572
Sampling (biological) 6572

Canada, Nova Scotia,

Parasites: *Fundulus diaphanus* 5276
Tagging: *Salmo salar* 7801

Canada, Nova Scotia, Dartmouth,

Fishery organizations 12534

Canada, Nova Scotia, Halifax,

Conferences Fisheries 2260
Research programmes 13910

Canada, Nova Scotia, Tusket R.,

Fishways: *Salmo salar* 5529

Canada, Ontario,

Air-water interface 2408
Check lists: *Algae* 12740
Gases 2408
Geographical distribution: *Pisces* 5143
Geographical distribution: *Pseudacris triseriata* 11871
Lakes 2408
Metals Agricultural runoff 3179
Pollution monitoring Metals 3179

Canada, Ontario, Big Creek,

Hydrography 10194
Runoff 10194
Tracers 10194

Canada, Ontario, Burlington,

Conferences 13963
Pollution effects 13964

Canada, Ontario, Canadian Shield,

Chemical analysis 9006

Freshwater lakes 9006

Methodology 9006

Nitrogen 9006

Canada, Ontario, Credit R.Valley,
Fossils: *Heterotrypa* 4804

Canada, Ontario, Experimental Lakes Area,

Excretory products: *Algae* 9771

Primary production 9771

Canada, Ontario, Experimental Lakes Area, Lake 227,
Oxidation Thermal stratification 1159

Canada, Ontario, Holland R.,

Drainage water 3735

Nutrients (mineral) 3735

Runoff 3735

Canada, Ontario, Inland waters,

Community composition 13376

Nitrogen cycle 8678

Runoff 13376

Sediment transport 2419

Sedimentation 2419

Water analysis (chemical) 8678

Canada, Ontario L.,

Growth Temperature effects: *Melosira binderana* 9605

Morphology (organisms): *Diatomaceae* 3849

Plankton Growth: *Melosira binderana* 9605

Taxonomy: *Bacillariophyceae* 5982

Taxonomy: *Diatomaceae* 3849

Ultrastructure: *Bacillariophyceae* 5982

Canada, Ontario L., Hamilton Harbour,

Thermocline 10181

Water circulation 10181

Water mixing 10181

Canada, Ontario, Lake Simcoe,

Drainage water 3735

Nutrients (mineral) 3735

Runoff 3735

Canada, Ontario, Lakes,

Oxygen depletion 5859

Canada, Ontario, Louisa L.,

Blood cells: *Catostomus commersoni* 6517

Parasitic diseases: *Catostomus commersoni* 6517

Canada, Ontario, Ottawa R.,

Mercury: *Perca flavescens* 9886

PCB: *Perca flavescens* 9886

Canada, Ontario, Quetico,

Check lists: *Pisces* 9369

Community composition: *Pisces* 9369

Canada, Ontario, St.Nova L.,

Morphology (organisms): *Rana clamitans* 8423

Pigments: *Rana clamitans* 8423

Canada, Ontario, Toronto,

Conferences Fisheries 2258

Conferences International organizations 2258

Fossils: *Bryozoa* 12517

New species: *Prasopora richmondensis* 12517

Palaeontology: *Bryozoa* 12517

Canada, Ontario, Trent R.,

Dams 8906

Mathematical models 8906

Reservoirs 8906

Canada, Ottawa R.,

Annual variations 7664

Chemical pollutants 7664

Growth: *Musculium securis* 7477

Mercury 7664

Parasites: *Musculium securis* 7477

Reproduction: *Musculium securis* 7477

Seasonal variations: *Crepidostomum cooperi* 7477

Sediment-water interface 7664

Survival: *Musculium securis* 7477

Canada, Prairies R.,

Flood control 9051

Predictions 9051

River flow 9051

Canada, Quebec,

Freshwater lakes: *Pisces* 5143

Habitat: *Carabidae* 7226

Insecticides Toxicity: *Simuliidae* 788

Marshes: *Carabidae* 7226

Canada, Quebec City,

Research institutions 7939

Canada, Quebec, Gamelin L.,

Histology: *Catostomus commersoni* 9396

Ovaries: *Catostomus commersoni* 9396

Sexual maturity: *Catostomus commersoni* 9396

Testes: *Catostomus commersoni* 9396

Canada, Quebec, Gatineau Park,

Benthos: *Invertebrata* 5361

Community composition: *Mollusca* 5362

Population parameters: *Mollusca* 5362

Canada, Quebec, Gatineau River Valley,

New records: *Osmerus mordax* 5143

Canada, Quebec, Inland waters,

Environmental effects: *Pisces* 6445

Geographical distribution: *Pisces* 6445

Indicator organisms 6554

Phytoplankton 6554

Canada, Quebec, Lakes,

Periphyton 6584

Primary production 6584

Canada, Quebec, McGill Univ.,

Bibliographic information 10099

Bibliographies 10099

Canada, Quebec, Saguenay R.,

Fishery surveys: *Mya arenaria* 2141

Canada, Quebec, Triton L.,

Ecology: *Phoxinus* 13228

Growth: *Phoxinus* 13228

Hybridization: *Phoxinus* 13228

Reproduction: *Phoxinus* 13228

Canada, Quebec, Trois Rivières,

Control: *Culicidae* 7766

Larvae: *Culicidae* 7766

Pest control: *Culicidae* 7766

Canada, Queen Charlotte Is.,

Correlation analysis: *Gasterosteus aculeatus* 10906
Habitat: *Gasterosteus aculeatus* 10906
Meristic counts: *Gasterosteus aculeatus* 10906
Population parameters: *Gasterosteus aculeatus* 10906
Regional variations: *Gasterosteus aculeatus* 10906

Canada, Renaud L.,

Reproduction: *Fundulus diaphanus* 1545

Canada, Saskatchewan,

Osmoregulation: *Trichorixa verticalis* 6183
Salt lakes: *Trichorixa verticalis* 6183

Canada, Saskatchewan R.,

Biogeography: *Analetris eximia* 9326
Biology: *Analetris eximia* 9326
Habitat: *Analetris eximia* 9326
Life cycle: *Analetris eximia* 9326
Taxonomy: *Analetris eximia* 9326

Canada, Skeena R.,

Fisheries resources Recruitment: *Oncorhynchus nerka* 2173

Canada, St. Laurent R.,

Mathematical models 2334
Water temperature 2334

Canada, Yamaska R.,

Age composition Growth rate: *Stizostedion* 1716

Canada, Yukon,

Lakes: *Diatomeae* 8489

Caribbean region,

International organizations 3636
Palaeontology: *Mollusca* 4584
Palaeontology: *Ostracoda* 4586
Sea law 3655
Territorial waters 3655

Caroline Isl., Namoluk Atoll,

Biocoenoses 8481
Ecology 8481

Cayman Is., Grand Cayman,

Geographical distribution: *Hydrophilidae* 11706
New records: *Hydrophilidae* 11706

Central Africa,

Resource development Agropisciculture 884

Central America,

Buoyancy: *Pisces* 8322
Keys Keys: *Cheirodontinae* 274
Sea law 5738
Swim bladder: *Pisces* 8322
Territorial waters 5738

Chad, Chad L.,

Biomass Seasonal variations: *Prosobranchiata* 418
Feeding behaviour: *Synodontis* 1730

Chad, Chad L., Chari R., Logone R.,

Biometrics Biology: *Schilbe* 1484

Chad, Chari R.,

Electric organs: *Gymnarchus niloticus* 13026
Social behaviour: *Gymnarchus niloticus* 13026

Chad, Kanem R.,

Phytoplankton Salt marshes 440

Chatham Is.,

Fossils: *Dinoflagellata* 13950

Chile,

Bibliographies: *Calypsocephalella caudiverbera* 6345
Biology: *Calypsocephalella caudiverbera* 6345
Catch statistics 7901
Morphology: *Nematogenys* 5033
Morphology: *Pygidium* 5032
Skeleton: *Nematogenys* 5033
Skeleton: *Pygidium* 5032
Taxonomy: *Nematogenys* 5033
Taxonomy: *Pygidium areolatum* 5032
Taxonomy: *Pygidium maculatum* 5032

Chile, Concepcion,

Check lists: *Diatomeae* 6557
New records: *Desmidiaceae* 5974
New records: *Diatomeae* 6557
Taxonomy: *Desmidiaceae* 5974

Chile, Hualpen, Laguna Verde,

Geographical distribution: *Attheya zachariasii* 2886
Phytoplankton: *Attheya zachariasii* 2886

Chile, Tronel R.,

New species: *Ophiactis lebuensis* 6026

China, People's Rep.,

Fisheries 2050
Pest control: *Oncomelania hupensis* 8805

China, People's Rep., Tung Ting L.,

Conservation: *Lipotes vexillifer* 13518
Research programmes: *Lipotes vexillifer* 13518
Surveys: *Lipotes vexillifer* 13518

China, Peoples Rep.,

Seaweed culture 13746, 13747

Colombia,

Anatomy: *Neodeuteroberis pritchardae* 9659
Check lists Geographical distribution: *Heteroptera* 247
Disease control: *Pisces* 13272
Fish culture 13272
Mortality causes: *Pisces* 13272
New species: *Neodeuteroberis pritchardae* 9659
Parasites: *Neodeuteroberis pritchardae* 9659
Stomach contents: *Podocnemis lewyana* 9659
Taxonomy New species: *Heteroptera* 247

Colombia, Magdalena R.,

Hydrology 11277
Inland fisheries 11277

Congo, People's Rep.,

Fishery industry 10076
Marketing: *Pisces* 10076
Resource development: *Pisces* 10076

Costa Rica,

Fossils: *Ophiomorpha* 5764
Habitat: *Leptodactylus pentadactylus* 1725
Predation Feeding behaviour: *Leptodactylus pentadactylus* 1725

Cuba,

Aquaculture Resource development 2056
Fish culture Bacterial diseases: *Pisces* 1721
Fish culture Therapy: *Pisces* 1721

- Fisheries Resource development 2056
 Fishing vessels 12319
 Morphology (organisms): *Tarebia granifera* 2909
 New records: *Tarebia granifera* 2909
 Shellfish culture: *Crassostrea rhizophorae* 13727
 Shipbuilding 12319
- Czechoslovakia, High Tatra Mountains,**
 Taxonomy: *Pleurotaenium minimum* 10293
- Czechoslovakia,**
 Check lists 8808
 Commercial species: *Cyprinidae* 12356
 Conservation 8808
 Fish culture: *Cyprinidae* 12356
 Population genetics: *Cyprinidae* 12356
 Reproduction: *Cyprinidae* 12356
 Salt marshes 8808
 Water management 6914
- Czechoslovakia, Bohemia,**
 Population dynamics: *Pisces* 9545
 Vertical distribution: *Pisces* 9545
- Czechoslovakia, Bohemia, Klicava reservoir,**
 Growth rate: *Rutilus rutilus* 4170
 Population density: *Rutilus rutilus* 4170
 Production (biological): *Rutilus rutilus* 4170
- Czechoslovakia, Bohemia, Rezabinec Reservation,**
 Check lists: *Bacillariophyceae* 8099
 Morphology (organisms): *Bacillariophyceae* 8099
 Ponds: *Bacillariophyceae* 8099
- Czechoslovakia, Bratislava,**
 Abundance: *Algae* 8613
 Ponds: *Algae* 8613
- Czechoslovakia, Danube R.,**
 Algal blooms 12082
 Antibiotics: *Salmonella* 9666
 Dams 11142
 Freshwater ecology 11142
 Periphyton: *Algae* 10883
 Phytoplankton 8614, 12082
 Sampling (biological) Surrounding nets: *Pisces* 1012
 Strains: *Salmonella* 9666
 Survival: *Salmonella* 9666
 Waste water: *Salmonella* 9666
- Czechoslovakia, Danube R., Bratislava,**
 Sewage effluents Microbial contamination:
 Salmonella 1944
- Czechoslovakia, Gabčíkovo,**
 Abundance 8638
 Horizontal distribution 8638
 Plankton 8638
 River flow 8638
- Czechoslovakia, Hron R.,**
 Geographical distribution: *Amphibia* 10669
 Metamorphosis: *Amphibia* 10669
 Morphology (organisms): *Amphibia* 10669
 Pollution effects: *Amphibia* 10669
 Regional variations: *Amphibia* 10669
- Czechoslovakia, Inland waters,**
 Benthos 13386
 Drift organisms: *Ephemeroptera* 13386
 Seasonal variations: *Ephemeroptera* 13386
- Czechoslovakia, Jihlava R.,**
 Ecosystems: *Hydropsyche* 1930
- Czechoslovakia, Lipno Reservoir,**
 Tagging Population density: *Pisces* 1014
- Czechoslovakia, Piestany Spa,**
 Community composition: *Diatomaceae* 10949
 Mud: *Diatomaceae* 10949
 Thermal springs: *Diatomaceae* 10949
- Czechoslovakia, Rokytna R.,**
 Abundance: *Pisces* 3029
 Community composition: *Pisces* 3029
- Czechoslovakia, Slapy Reservoir,**
 Phytoplankton 10910
 Sedimentology: *Algae* 10910
- Czechoslovakia, Slovakia, Danube R.,**
 Taxonomy New species: *Cyanophyceae* 128
- Czechoslovakia, Svratka R.,**
 Geographical distribution: *Thymallus thymallus* 9614
 Growth rate: *Thymallus thymallus* 9614
 Length-weight relationships: *Thymallus thymallus* 9614
- Czechoslovakia, Vltava R., Slapy Reservoir,**
 Eutrophication 7981
- Czechoslovakia, Zahorska Lowland,**
 Check lists: *Culicidae* 9324
 Climate: *Culicidae* 9324
 Larvae: *Culicidae* 9324
 Seasonal variations: *Culicidae* 9324
- Dahomey,**
 New species: *Heteronchocleidus* 1764
 Parasites: *Ctenopoma kingsleyae* 1764
 Parasites: *Heteronchocleidus ctenopomae* 1764
- Denmark,**
 Disease control Viral diseases: *Salmo gairdneri* 2994
 Fish catch statistics Fishery statistics 4484
 Processing fishery products Frozen products: *Penaeus borealis* 3514
- Denmark, Arresøe, L.,**
 Eutrophication 12129
 Phytoplankton 12129
 Primary production 12129
- Denmark, Charlottenlund,**
 Conferences 2290
 Conferences: *Anguilla anguilla* 12553
 Conferences: *Nephrops* 10051
 International organizations 2271
- Denmark, Esrom L.,**
 Environmental effects: *Potamothrix hammoniensis* 12037
 Growth rate: *Potamothrix hammoniensis* 12127
 Mathematical models 6923
 Phosphorus 6923
 Population dynamics: *Eudiaptomus graciloides* 422
 Population dynamics: *Potamothrix hammoniensis* 12037
 Production (biological): *Potamothrix*

hammoniensis 12127
Sediment-water interface 6923
Sexual reproduction: *Potamotheix hammoniensis* 8170
Denmark, Esrom Lake,
Biomass Seasonal variations: *Eudiaptomus graciloides* 1911

Denmark, Gudenaa R.,
Geographical distribution Habitat: *Ancylus fluviatilis* 333

Denmark, inland waters,
Copper 12128
Dissolved oxygen 11370
Models 11370
Oxygen system 11370
Photosynthesis 12128
Phytoplankton 12128
Rivers 11370

Denmark, Jutland,
Breeding: *Triturus vulgaris* 8439
Geographical distribution: *Triturus vulgaris* 8439
Juveniles: *Triturus vulgaris* 8439
New records: *Triturus vulgaris* 8439

Denmark, Kvindso,
Phosphorus 7978
Sediment analysis 7978

Denmark, Lakes,
Bioaccumulation: *Littorella uniflora* 4668
Bioaccumulation: *Lobelia dortmanna* 4668
Bioaccumulation: *Nostoc zetterstedii* 4668
Microorganisms 4668
Trace constituents 4668

Dominican Rep.,
Biota 13119
Caves 13119
Palaeontology: *Balanidae* 4175

Ecuador,
Inland fisheries Fish culture 807
Shellfish culture: *Penaeus vannamei* 5608

Ecuador, Amazon R.,
New species: *Rhynchodoras woodsi* 7250

Ecuador, Guayaquil,
Conferences Upwelling 2292

Ecuador, Inland waters,
Morphology (organisms): *Cosmocerca brasiliensis* 6038
Parasites: *Cosmocerca brasiliensis* 6038
Parasites: *Dendrobates parvulus* 6038

Egypt, Arab.Rep.,
Disease control: *Marisa cornuarietis* 5542

Egypt, Arab Rep.,
Growth rate Population dynamics: *Bulinus truncatus* 3043
New species: *Hydporous mariannae* 10532

Egypt, Arab.Rep.,
Population control: *Bulinus truncatus* 5542

Egypt, Arab Rep., Borullus L.,
Fish catch statistics Length-weight relationships: *Mugil capito* 987

Egypt, Arab.Rep., Borullus L.,
Fisheries statistics Weather conditions 988

Egypt, Arab Rep., Nasser L.,
Catch statistics: *Lates niloticus* 13810
Experimental fishing Gear research 3388
Mortality causes: *Lates niloticus* 13810
Mortality rate: *Lates niloticus* 13810
Population structure: *Lates niloticus* 13810

Egypt, Arab.Rep., Nile R.,
Environmental effects: *Eichhornia crassipes* 6763
Growth: *Eichhornia crassipes* 6763

Egypt, Arab Rep., Nile R.,
Reproduction Sexual maturity: *Tilapia nilotica* 2804
Reproduction rate Reproduction: *Tilapia nilotica* 2805
Reproductive organs Reproduction rate: *Tilapia nilotica* 2805

Egypt, Arab Rep., Suez Canal,
Ecology: *Ceratium egyptiacum* 4075
Geographical distribution: *Ceratium egyptiacum* 4075
Geographical distribution Ecology: *Tintinnida* 1658
Indicator organisms: *Ceratium egyptiacum* 4075
Migrations: *Cypraeidae* 7377
Migrations: *Gastropoda* 7392
Migrations: *Pelecypoda* 7392

Egypt, Arab.Rep., Suez Canal,
Phytoplankton Primary production 1918
Egypt, Nile R.,
Production (biological): *Eichhornia crassipes* 7676

Eire,
Fish catch statistics: *Anguilla* 13779
Fish counters Electronic equipment 829
Fisheries statistics 11158
Fishery industry 11158
Fishery surveys: *Anguilla anguilla* 13826
Inland fisheries 11158
Marine fisheries 11158
Pollution monitoring 6948
Population density: *Anguilla anguilla* 13826
Research institutions 1093
River fisheries: *Anguilla* 13779
Sampling (biological) Traps: *Anguilla* 954
Stock assessment: *Anguilla anguilla* 13826

Eire, Inland waters,
Community composition: *Invertebrata* 4215
Environmental effects: *Invertebrata* 4215

Eire, Shannon R.,
Electric fishing: *Anguilla* 13554
Fisheries management: *Anguilla* 13825
Guiding devices: *Anguilla* 13554
Resource development: *Anguilla* 13825

Eire, Wexford,
Fisheries management: *Anguilla* 13825
Resource development: *Anguilla* 13825

El Salvador,
Artificial feeding: *Tilapia aurea* 9998
Feeds: *Tilapia aurea* 9998
Nutritional requirements: *Tilapia aurea* 9998

Ecuador,

Fisheries regulations 3600
Legislation 3600
Territorial waters 3600

Ethiopia, Inland waters,

Pollution monitoring 4286
Water analysis (chemical) 4286

Eurasian Plate,

Continental drift 2412

Europe,

Aquaculture 13602
Biology: *Anguilla anguilla* 6189
Economics: *Salmonidae* 13626
Fish culture 13602
Fish culture: *Salmonidae* 5586, 13626
Fisheries regulations 4556
Geographical distribution: *Gammarus duebeni* 2661
Geophysics 2412
Inland water environment 12296
Marketing: *Anguilla* 13926
Morphology: *Cloeon* 9329
Mortality causes: *Salmonidae* 13626
Nature conservation 12296
Shells: *Mollusca* 7175
Stock assessment: *Anguilla anguilla* 12553
Tectonics 2412
Terminology: *Cloeon* 9329
Tumours: *Anguilla anguilla* 13270

Europe, Alps,

Geographical distribution: *Pisidium* 8205
Palaeontology: *Pisidium* 8205

Europe, Arctic Ocean Province,

Parasites: *Rutilus rutilus* 5279

Europe coasts,

Pollution 11119
Pollution monitoring 11119
Reports 11119
Shells: *Mollusca* 6082
Subpopulation: *Ostrea edulis* 9241
Transportation 8872

Europe, Constance L.,

Annual variations: *Cyprinidae* 8565
Aquaculture: *Coregonus lavaretus* 5593, 5594
Breeding: *Coregonus lavaretus* 5593
Environmental effects Fishery economics 2017
Eutrophication 8565, 13497
Fish catch statistics: *Anguilla* 13776
Freshwater ecology Parasitic diseases: *Diplostomum spathaceum* 1773
Lake fisheries 13497
Migrations: *Anguilla* 13776
Pesticides 12190
Rearing: *Coregonus lavaretus* 5594
Stocking: *Anguilla* 13776
Stomach contents: *Perca fluviatilis* 8565
Subpopulation Population genetics: *Salvelinus alpinus* 1825
Water pressure: *Coregonus lavaretus* 5593

Europe, Danube R.,

Autecology: *Nuphar lutea* 8321
Dispersion: *Nuphar lutea* 8321
Geographical distribution: *Nuphar lutea* 8321
Ontogeny: *Nuphar lutea* 8321

Europe, EEC,

Fisheries regulations 10090
International organizations 10088
Marketing 4528
Microbiological contamination 4571
Standardization 4571
Territorial waters 5737
Water quality 4571

Europe, Elbe R.,

Tumours: *Anguilla anguilla* 13270

Europe, Geneva L.,

Limnology 2355
Microbiological analysis 2462
Phytoplankton 3061
Phytoplankton Diversity index 3062
Phytoplankton Seasonal variations 3064
Plankton Seasonal variations 3063
Precipitations (atmospheric) 2406
Waste water River discharge 3165
Water quality 2438

Europe, Rhine R.,

Industrial wastes 4611
Pollution control 4611, 7741

Europe, Wadden Sea,

Pollution effects 9961
Water conservation 9961

Fiji, Viti Levu, Ravi Ravi,

Fish culture: *Chanos chanos* 3409
Fish culture: *Elops hawaiiensis* 3409
Fish culture: *Tilapia mossambica* 3409

Finland,

Anatomy Abnormalities: *Rana temporaria* 300
Ecology: *Amphibia* 2874
Fossils: *Phocaena phocaena* 12518
Hibernation Temperature effects: *Rana temporaria* 363
Lake fisheries Fishery surveys 936
Light effects: *Gloeodinium montanum* 10797
Marshes: *Algae* 10283
Palaeontology: *Phocaena phocaena* 12518
Reviews: *Phocaena phocaena* 12518
Sampling (biological) Gillnets 936
Sampling (biological) Toxicants: *Pisces* 943

Finland, Helsinki,

Conferences 8935

Finland, Inland waters,

Agricultural runoff 12621
Ecosystems 10980
Environmental effects 12621
Food chains 10980
Lakes 10980
Water analysis (chemical) 12621
Water quality 12621

Finland, Kaerkoelae,Check lists: *Odonata* 4058Geographical distribution: *Odonata* 4058**Finland, Kiutajaervi L.,**Condition factor: *Rutilus rutilus* 10889Lake fisheries: *Perca fluviatilis* 10882Locomotion: *Rutilus rutilus* 10889Population structure: *Perca fluviatilis* 10882Production (biological): *Perca fluviatilis* 10882Reproductive organs: *Rutilus rutilus* 10889Seasonal variations: *Rutilus rutilus* 10889**Finland, Kuusamo, Kangerjoki,**

Glaciers 8912

Marshes 8912

Palynology 8912

Vegetation cover 8912

Finland, Kymijoki R., Lakes,Habitat: *Crustacea* 10465Horizontal distribution: *Crustacea* 10465New records: *Crustacea* 10465Vertical distribution: *Crustacea* 10465**Finland, Lake District,**Community composition: *Diatomaceae* 8654Diversity index: *Diatomaceae* 8654**Finland, Lakes,**Food organisms: *Myxoccephalus quadricornis* 6752New records: *Myxoccephalus quadricornis* 6752**Finland, Lojaervi L.,**

Geology 2413

Sediment analysis 2413

Finland, Otaniemi,

Conferences 5778

Finland, Paajarvi L.,

Phytoplankton 10909

Primary production 10909

Finland, Tullusjaervi L.,Biometrics: *Astacus astacus* 6163Length-weight relationships: *Astacus astacus* 6163Muscular system: *Astacus astacus* 6163Pancreas: *Astacus astacus* 6163**France,**Coring: *Sardina pilchardus* 5682

Ecology 13412

Eutrophication 6622

Financing 13935

Fisheries 12317

Fisheries regulations International agreements 1075

Fisheries regulations International organizations 1075

Fisheries resources 12546, 13540

Fishery economics 1075, 13540, 13935

Fishery institutions 13962

Fishery management 12498

Fishing vessels 12498

Lakes 6622

Legislation Marine pollution 1078

Life cycle Feeding behaviour: *Micrasema* 1466

Mineral resources 12546

New records: *Chrysonebula holmesii* 11872

Oceanographic data 12547

Pollution monitoring 6622

Preservation (fishery products): *Sardina pilchardus* 5682

Radioactive pollution 13412

Research programmes 12547

Research programmes Financing 26

Research programmes International agreements 1076

Research programmes Territorial waters 1076

Resource development 12546, 12547, 13540

Sea bed conventions 1077

Sea law 1077, 1080

Sea law Continental shelf 1073, 1074, 1076, 1079

Sea law Fisheries regulations 1079

Sea law Marine pollution 1079

Sea law Ocean floor 1073

Sea law Research programmes 1076

Sea law Sea bed conventions 1073

Sea law Territorial waters 1074, 1079

Shellfish culture Artificial feeding: *Penaeus kerathurus* 7830**France, Alsace,**Freshwater ecology: *Ondatra zibethica* 1605**France, Auvergne, inland waters,**Diurnal rhythm: *Ephemeroptera* 13162Diurnal rhythm: *Hydracarina* 13162Diurnal rhythm: *Plecoptera* 13162Drift organisms: *Ephemeroptera* 13162Drift organisms: *Hydracarina* 13162Drift organisms: *Plecoptera* 13162**France, Camargue,**Community composition: *Ruppia* 7558Ecology: *Ruppia* 7558Geographical distribution: *Ruppia* 7558Salinity effects: *Ruppia* 7558**France, Corbieres,**Biological collections: *Invertebrata* 5929

Freshwater ecology 5929

Hydrology 5929

Limnology 5929

France, Durance R.,

River discharge 9778

France, Etang de Berre,

Eutrophic lakes 9778

Primary production 9778

France, Gironde R.,New species: *Inoceramus artigesi* 13948New species: *Inoceramus borilensis dauensis* 13948Palaeontology: *Inoceramus* 13948**France, Guerande peninsula,**Brackishwater aquaculture: *Anguilla anguilla* 10247

Ponds 10247

Ponds: *Anguilla anguilla* 10247**France, Ile de France, Auvers,**Fossils: *Pisces* 4580New species: *Orthopristis goodyi* 4580New species: *Stromateus brailloni* 4580**France, inland waters,**Hosts: *Barbus meridionalis* 8132**France, Inland waters,**Hosts: *Rhithropanopeus harrisi* 3024

France, inland waters,

Life cycle: *Caryophyllaeus brachycollis* 8132

New record: *Caryophyllaeus brachycollis* 8132

France, Inland waters,

Parasites: *Minchinia* 3024

France, Iowa Mountains,

Taxonomy Biogeography: *Eucyclops graeteri* 1429

France, Isere R.,

Geographical distribution: *Potamopyrgus jenkinsi* 6406

France, Jura Mts., Valserine Basin,

Geology 8056

Precipitations (atmospheric) 8056

Statistical analysis 8056

France, Lorient,

Commercial fishing 8894

Fishing harbours 8824

Trawlers 8894

France, Lorraine, Inland waters,

Salt lakes: *Sporobolomyces* 8086

Water analysis (biological): *Sporobolomyces* 8086

France, Lyon,

Ecology Biogeography: *Planaria* 1339

France, Marseille,

Conferences 4608

France, Mes R.,

Estuaries 10248

Marshes 10248

France, Montereau,

Sampling (biological) Thermal pollution: *Pisces* 419

France, Nantua L.,

Hydrology Annual variations 64

France, Opoul,

Biotope: *Invertebrata* 10358

Community composition: *Invertebrata* 10358

Hydrology: *Invertebrata* 10358

Springs: *Invertebrata* 10358

France, Ournans Plateau,

Hydrology 5928

France, Paris,

Conferences 13305

France, Pavin L.,

Benthos 10968

Ecology 10913

Mathematical models 10913

Photosynthetic pigments: *Diatomeae* 11407

Phytoplankton 10913

Primary production 10968

Sediment analysis 11407

Succession 10913

France, Sauve,

Caves: *Troglocaris* 5377

Rivers: *Troglocaris* 5377

French Polynesia,

Rearing: *Metapenaeus ensis* 3419

Rearing: *Penaeus* 3419

Seed (aquaculture): *Metapenaeus ensis* 3419

Seed (aquaculture): *Penaeus* 3419

Shellfish culture 3419

Gabon Rep.,

New species: *Nanochromis gabonicus* 3997

Galapagos, Genevesa Island, Arcturus Lake,

New records: *Tanais stanfordi* 4988

Salinity tolerance: *Tanais stanfordi* 4988

Sexual reproduction: *Tanais stanfordi* 4988

Gambia, Banjul R.,

Hydrology 8996

Salinity 8996

Water temperature 8996

Gambia, Gambia R.,

Hydrography 50

Gambier Isl.,

Community composition Check lists 2871

Germany, D.R.,

Eutrophication 4417

Fish catch statistics 6862

Fish protein concentrate 5698

Fishery surveys 10047

Fishery technology Trawlers 3381

Inland fisheries 10047

Mathematical models 8705

Nutrients (mineral) 4728

Oceanography 6941

Population dynamics: *Lutra lutra* 8616

Reservoirs 4728

Runoff 4728

Water management 6762, 8705

Water quality 8705

Germany, D.R., Elbe valley,

Population studies: *Salamandra salamandra* 5311

Germany, D.R., Erzgebirge,

Humic acids 3734

Water analysis (chemical) 3734

Germany, D.R., Halle,

Water quality: *Chilomonas oblonga* 11866

Water quality: *Cryptomonas rosstratiformis* 11866

Germany, D.R., Halle-Merseburg,

Water management 7620

Water quality 7620

Germany, D.R., Ichtershausen,

Geographical distribution: *Astreptonema longispora* 10272

Hosts: *Gammarus pulex* 10272

Terminology: *Astreptonema longispora* 10272

Germany, D.R., Mecklenburg,

Diseases: *Simuliidae* 9645

Germany D.R., Mecklenburg,

Eutrophication 7980

Lakes 7980

Mathematical models 7980

Nutrients (mineral) 7980

Germany, D.R., Potsdam,

Cage culture Production (biological): *Salmo gairdneri* 2122

Germany, D.R., Rappbode Reservoir,

Eutrophication 4317
Pollution control 4317

Germany, D.R., Saale R.,

Aquatic plants 10998
Benthos 10939
Biological oxygen demand 10168
Biomass 10939, 10998
Correlation analysis 10918
Dissolved oxygen 10166, 10167, 10169
Geology 10246
Hydrology 10246
Periphyton 10167, 10938
Phytoplankton 10918
Population dynamics: *Algae* 5303
Seasonal variations: *Algae* 5303
Water analysis (biological) 10165

Germany, D.R., Seddin,

Fishery management Fish culture: *Anguilla anguilla* 2123

Germany, D.R., Wipper R.,

Mathematical models 6744
Pollution monitoring 6744
Salinity effects 6744

Germany, Dem.Rep., Harz,

Communities: *Vaucheria* 7086

Germany, Dem.Rep., Saale R.,

Freshwater ecology 5381

Germany, Dem.Rep., Saldenbachreservoir,

Phytoplankton Phosphates 1914

Germany, F.R.,

Bioaccumulation 6669
Commercial fishing 10089
Detergents 4427
Farm ponds Fishery economics: *Cyprinus carpio* 2109
Fish catch statistics 10040
Fish culture 10041
Fish culture Rearing: *Salmo gairdneri* 2234
Fisheries data 10081
Fisheries regulations 10089, 10090
Fisheries resources 12450
Fisheries statistics 10042, 10078, 10085
Fishery economics 10081, 10089
Fishery industry 10077
Fishery management 10089
Fishery products 8928, 10077, 10085
Fishing vessels 9974
Freshwater aquaculture 8928
Freshwater aquaculture: *Cyprinus carpio* 10041
Geographical distribution: *Daphnia* 10711
Geographical distribution: *Hydroporus piceus* 6421
Hatcheries 10041
Inland fisheries 8928, 10041
Introduced species: *Daphnia* 10711
Landing statistics 10042, 10078
Legislation 4570
Marine fisheries 8928, 10042, 10081
Marketing 10078
New records: *Daphnia* 10711
New records: *Hydroporus piceus* 6421

Palynology Lakes 2239

Pollution effects Indicator organisms 3329

Public health 6669

Radioactive pollution 6669

Rearing Farm ponds: *Pisces* 2107

Research institutions 8928

Research programmes 8928, 12450

Sea law 10090

Taxonomy Morphology: *Ferrissia wautieri* 1396

Trade 10077, 10078, 10085

Vessels 9055

Waste water 4570

Germany, F.R., Baden-Wuerttemberg, Constance L.,

Fish catch statistics 6855

Inland fisheries 6855

Germany, F.R., Baden-Wuerttemberg, Ursee L.,

Ion accumulation Sediment analysis 1158

Germany, F.R., Bavaria,

Aquaculture 5720

Autecology: *Salvelinus alpinus* 8526

Diseases: *Cyprinus carpio* 6513

Environmental factors: *Salvelinus alpinus* 8526

Marketing 5720

Mathematical models 8067

Nutrition Farm ponds: *Ardea cinerea* 2106

Nutrition Farm ponds: *Cyprinus carpio* 2106

Precipitations (atmospheric) 8067

Reservoirs 8067

Water resources 8067

Germany, F.R., Bavaria, Constance L.,

Fish catch statistics: *Pisces* 6857

Fishery economics 6857

Germany, F.R., Bavaria, Walchen L.,

Rearing: *Salmo trutta* 9997

Germany, F.R., Berlin,

Conferences 11289

Germany, F.R., Constance L.,

Annual variations 10149

Freezing 10149

Mathematical models 10149

Germany, F.R., Danube R.,

Industrial wastes 6668

Radioactive pollution 6668

Germany, F.R., Elbe Estuary, Fachmannssand,

Freshwater ecology 8650

Sediment analysis 8650

Germany, F.R., Elbe R.,

Arsenic 9831

Methodology 9831

Water analysis (chemical) 9831

Germany, F.R., Emden,

Fish culture Water temperature: *Anguilla anguilla* 2105

Germany, F.R., Gain R.,

Nitrogen compounds 4296

Sewage 4296

Germany, F.R., Ginsheimer Altrhein,

Freshwater pollution 5920

Sediment analysis 5920

Germany, F.R., Gnadensee L.,

Littoral zone Water analysis (chemical): *Phragmites communis* 1209

Germany, F.R., Hessen, Schlitz,

Abundance: *Ceratopogonidae* 7579

New species: *Ceratopogon nieves* 7579

Production (biological) 7578

Production (biological): *Ceratopogonidae* 7579

Springs 7578, 7579

Germany, F.R., Inland waters,

Bioaccumulation: *Teleostei* 8756

Fish culture: *Cyprinus* 8756

Fish culture: *Salmonidae* 8756

Mercury: *Teleostei* 8756

Numerical analysis 8903

Pesticides: *Teleostei* 8756

River flow 8903

Germany, F.R., Kottenforst-Ville Nature Park,

Benthos: *Invertebrata* 7545

Check lists: *Invertebrata* 7545

Germany, F.R., Lahn R.,

Mathematical models Reservoirs 1244

River flow Mathematical models 1244

Germany, F.R., Lower Saxony,

Diseases: *Pisces* 10857

Pollution effects: *Pisces* 10857

Germany, F.R., Lower Saxony, Weser R.,

Pollution effects: *Pisces* 8774

Germany, F.R., Main R.,

Electric fishing: *Pisces* 5641

Oxygen demand 7982

Phenols 4300

Water management 3674

Germany, F.R., Naturpark Kottenforst-Ville,

Nutritive value Rivers: *Invertebrata* 9626

Germany, F.R., Nordrhein-Westfalen,

Check lists: *Invertebrata* 9169

Mercury 4385

Pollution monitoring 4385

Rivers: *Invertebrata* 9169

Springs 9169

Water quality 9169

Germany, F.R., North-Rhine Westphalia,

Environmental factors: *Astacus astacus* 9530

Geographical distribution: *Astacus astacus* 9530

Population dynamics: *Astacus astacus* 9530

Germany, F.R. Rhein R.,

Electric fishing: *Pisces* 5641

Germany, F.R., Rhein R.,

Fisheries data 8812

Germany, F.R. Rhein R.,

Fisheries resources: *Pisces* 5641

Germany, F.R., Rhein R.,

Fishery management 8812

Phenols 4300

Germany, F.R., Rhine R.,

Bioaccumulation: *Salmo gairdneri* 8741

Freshwater pollution: *Salmo gairdneri* 8741

Pesticides: *Salmo gairdneri* 8741

Toxicity: *Salmo gairdneri* 8741

Germany, F.R., Rhine R., Koblenz,

Heavy metals 12196

Germany, F.R., Schleswig-Holstein,

Geographical distribution: *Aeshna viridis* 9540

Nature conservation: *Aeshna viridis* 9540

Population density: *Aeshna viridis* 9540

Germany, F.R., Schleswig-Holstein, Eider R.,

Dams Water analysis (chemical) 1144

Germany, F.R., Starnberger L.,

Nitrogen compounds 4296

Sewage 4296

Germany, F.R., Wahnbach Reservoir,

Eutrophication 8801

Pollution control 8801

Water management 3813

Germany, F.R., Weser R.,

Currents 8003

Echosounding 8003

Sands 8003

Sediment transport 8003

Germany, F.R., Westphalia,

Pollution control 6743

Radioactive pollution 6743

Germany, Fed.Rep.,

Brackishwater aquaculture: *Anguilla* 13644

Brackishwater aquaculture: *Salmo gairdneri* 13644

Germany, Fed.Rep.,

Fish catch statistics: *Anguilla anguilla* 13777

Germany, Fed.Rep.,

Fish culture 13644

Freshwater aquaculture: *Cyprinus carpio* 12360

Geographical distribution: *Hydroporus longicornis* 1629

Germany, Fed.Rep.,

Inland fisheries: *Anguilla anguilla* 13777

Germany, Fed.Rep.,

Parasites Freshwater: *Crustacea Osteichthyes* 1777

Stocking: *Anguilla* 13783

Thermal aquaculture: *Anguilla* 13644

Thermal aquaculture: *Salmo gairdneri* 13644

Trawling Electric fishing: *Anguilla* 826

Germany, Fed.Rep.,

Yield: *Anguilla anguilla* 13777

Germany, Fed.Rep., Ahrensburg,

Fish culture: *Cyprinus carpio* 13634

Germany, Fed.Rep., Baden-Wuerttemberg,

Ecology 13955

Fossils 13955

Germany, Fed.Rep., Baden Wuerttemberg,

Fossils 13956

Germany, Fed.Rep., Baden-Wuerttemberg,

Palaeontology 13955

Germany, Fed.Rep., Baden-Wuerttemberg, Black Forest,

- Feeding behaviour Food composition: *Ancylus fluviatilis* 381
 Spawning migrations: *Ancylus fluviatilis* 381
- Germany, Fed.Rep., Baden-Wuerttemberg, Feldsee L.,**
 Sediment analysis Sediment-water interface 96
- Germany, Fed.Rep., Baden-Wuerttemberg, Mettma R.,**
 Lotic environment Self purification 578, 579
 Microorganisms: *Sphaerotilus* 579
 Nutritional requirements Population dynamics: *Simuliidae* 423
 Pollution effects: *Simuliidae* 423
- Germany, Fed.Rep., Baden-Wuerttemberg, Muehlbach,**
 Reproduction Life cycle: *Ancylus fluviatilis* 1760
 Reproduction Life cycle: *Chaetogaster limnaei* 1760
- Germany, Fed.Rep., Baden-Wuerttemberg, Titisee L.,**
 Eutrophication Zooplankton: *Anabaena flos-aquae* 1842
 Population dynamics Zooplankton 1842
- Germany, Fed.Rep., Baden-Wuerttemberg, Ursee L.,**
 Ion accumulation Sediments 68
 Ions Sediment-water interface 97
 Sedimentology Iron 97
- Germany, Fed.Rep., Bavaria,**
 Check lists: *Chrysophyta* 2495
- Germany, Fed.Rep., Bavaria, Ammer R.,**
 Hydrology 5532
 Lotic environment 5532
 Mineral resources 5532
- Germany, Fed.Rep., Bavaria, Wielenbach,**
 Aquaculture: *Ctenopharyngodon idella* 13678
 Reproduction: *Ctenopharyngodon idella* 13678
- Germany, Fed.Rep., Blunker L.,**
 Echosounding 4641
 Sediment analysis 4641
- Germany, Fed.Rep., Bodensee, Gnadensee,**
 Aquatic plants Limnology: *Phragmites communis* 66
 Water analysis (chemical) Limnology: *Phragmites communis* 66
- Germany, Fed.Rep., Braunschweig,**
 Annual variations: *Salmonella* 6623
 Microbial contamination: *Salmonella* 6623
 Public health: *Salmonella* 6623
 Water quality: *Salmonella* 6623
- Germany, Fed.Rep., Constance L.,**
 Plastics Larvae: *Dreissena polymorpha* 200
- Germany, Fed.Rep., Hamburg,**
 Freshwater ecology: *Ostracoda* 2655
- Germany, Fed.Rep., Hessen, Breitenbach,**
 Ecology Production (biological): *Agapetus fuscipes* 1909
 Sampling (biological) Production (biological): *Chironomidae* 241
 Taxonomy New species: *Paracladopelma schlitzensis* 241
- Germany, Fed.Rep., Hessen, Eder L.,**
 Dams 12309
 Freshwater aquaculture: *Salmo gairdneri* 12309
 Lake fisheries 12309
 Sport fishing 12309
- Germany, Fed.Rep., Hessen, Rohrwiesebach,**
 Sampling (biological) Production (biological): *Chironomidae* 241
- Germany, Fed.Rep., Inland waters,**
 Inland fisheries 12281
 Resource management 12281
- Germany, Fed.Rep., Lower Saxony,**
 Aquatic plants Freshwater pollution 1974
 Disease control: *Pisces* 5278
 Freshwater aquaculture: *Pisces* 5278
 Freshwater pollution: *Pisces* 5278
- Germany, Fed.Rep., Ludwig-Donau-Main-Channel,**
 Diseases: *Cyprinus carpio* 13462
- Germany, Fed.Rep., Mettma R.,**
 Water quality Benthos 718
- Germany, Fed.Rep., Moselle R.,**
 Commercial fishing: *Anguilla anguilla* 12308
 River fisheries 12308
- Germany, Fed.Rep., Rhine R.,**
 Conservation: *Myricaria* 2870
 Freshwater ecology: *Myricaria* 2870
 Lake fisheries 12294
 Water sampling 5842
- Germany, Fed.Rep., Schleswig-Holstein, Schlei,**
 Tagging Horizontal distribution: *Clupea harengus* 1669
- Germany, Fed.Rep., Trave R.,**
 Tagging Stock assessment: *Pisces* 959
- Germany, Fed.Rep., Weser R.,**
 Microbiology 5514
 Nitrogen 5513
 Phosphates 5513
 Pollution monitoring Pollution effects: *Pisces* 2008
 Water analysis (biological) 5514
 Water analysis (chemical) 5513
 Water quality 5513, 5514
- Germany, Fed.Rep., Westphalia, Kottenforst-Ville,**
 Nutritive value Invertebrates 1910
- Germany, Fed.Rep., Wuerttemberg,**
 Morphology (organisms): *Casearia articulata* 4833
- Germany, Stechlinsee,**
 Benthos Pollution effects 635
- Ghana,**
 Lagoon fisheries: *Mugil* 6826
- Ghana, Accra,**
 Conferences 10053
- Ghana, Bosumtwi L.,**
 Community composition Freshwater ecology: *Pisces Cyprinidae* 484
- Ghana, Inland waters,**
 Ecology 4247
 Succession 4247
- Ghana, Pawmpawm R.,**
 Drift organisms: *Invertebrata* 6439
 Light effects: *Centropitulum* 6439
- Ghana, Volta L.,**
 Coring: *Pisces* 6888
 Coring: *Tilapia* 3526

- Cured products: *Tilapia* 11264
 Fisheries resources: *Pisces* 12435
 Fishery economics 6888
 Fishery products: *Tilapia* 11264
 Lake fisheries: *Pisces* 12435
 Organoleptic properties: *Tilapia* 11264
 Pricing: *Tilapia* 11264
 Processing fishery products 6888
 Quality control: *Tilapia* 11264
 Research programmes 3653
 Sampling (biological): *Pisces* 12435
 Sampling (biological) Fishery management 935
 Stock assessment: *Pisces* 12435
- Greece,**
 Fishery economics 6898
 Fishery industry 6898
 New records: *Pelobates syriacus* 2920
- Greece, Corinth,**
 Geology 5904
- Grenada,**
 Immunology: *Biomphalaria havanensis* 4902
 Morphology (organisms): *Biomphalaria havanensis* 4902
 Taxonomy: *Biomphalaria havanensis* 4902
- Guadeloupe,**
 Biogeography: *Mollusca* 11876
 Geographical distribution: *Mollusca* 11876
- Guatemala,**
 Aquatic communities: *Hydrachnellae* 3982
 Biota 13119
 Caves 13119
 Marketing: *Pisces* 5718
 New species: *Arrenurus guatemaltecus* 3982
 New species: *Hygrobatas boettgeri* 3982
 Taxonomy: *Hydrachnellae* 3982
 Water management 4393
 Water resources 4393
- Guatemala, Lago De Peten,**
 Abundance: *Mollusca* 12112
 Community composition: *Mollusca* 12112
- Guyana,**
 Keys: *Nepomorpha* 2734
 New species: *Nepomorpha* 2734
- Hawaii,**
 Computer applications 4415
 Fish culture: *Polydactylus sexfilis* 13624
 Pesticides: *Pisces* 3252
 Pollution effects: *Pisces* 3252
 Water resources 4415
- Hawaii, Honolulu,**
 Conferences: *Scombridae* 11238
- Hawaii, Honolulu, Ala Wai Canal,**
 Canals 9507
 Ecosystems 9507
 Estuaries 9507
 Surveys 9507
- Holarctic Region,**
 Geographical distribution: *Ameronothrus* 4095, 4096
 Polymorphism: *Salvelinus alpinus* 9383
 Taxonomy: *Salvelinus* 9383
- Hong Kong,**
 Catch statistics 13546
 Conferences Marine environment 1105
 Cooperatives 13936
 Fishery economics 13546
 Fishing effort 13545
 Fishing vessels 13546
 Fouling organisms Reservoirs: *Limnoperna fortunei* 792
 New species: *Achnanthes mamchyi* 12742
 New species: *Cyclotella hongkongensis* 12742
 New species: *Navicula hongkongensis* 12742
 Poisonous organisms Toxicity: *Pisces* 2206
 Pollution effects: *Crassostrea gigas* 3562
 Shellfish culture: *Crassostrea gigas* 3562
 Trawlers 13545
 Trawlers Fishing power 2068
- Hong Kong, Plover Cove Reservoir,**
 Periphyton: *Algae* 2492
 Seasonal variations: *Algae* 2492
 Vegetation cover: *Algae* 2492
- Hungary,**
 Abundance: *Monotosporella tuberculata* 9105
 Bibliographies: *Algae* 2487
 Check lists: *Algae* 2487
 Community composition: *Mollusca* 5408
 Cultures: *Monotosporella tuberculata* 9105
 Evolution: *Mollusca* 5766
 Farm ponds: *Cyprinus carpio* 13705
 Hybridization: *Cyprinus carpio* 12972
 Hybrids: *Cyprinus carpio* 12972
 New species: *Monotosporella tuberculata* 9105
 Palaeontology: *Mollusca* 5766
 Seasonal variations: *Monotosporella tuberculata* 9105
 Succession: *Mollusca* 5408
 Taxonomy Keys: *Chlorophyceae* *Cyanophyceae* 130
- Hungary, Balaton L.,**
 Catching methods: *Teleostei* 9336
 Check lists: *Teleostei* 9336
 Fisheries resources: *Teleostei* 9336
- Hungary, Danube R.,**
 Mortality causes: *Pisces* 8765
- Hungary, Heriz L.,**
 Biological control: *Gambusia affinis* 9336
- Hungary, Mergo R.,**
 Ecology: *Hyphomycetes* 12727
 Habitat: *Hyphomycetes* 12727
- Hungary, Szarvas,**
 Cage culture 3407
 Research institutions 3407
- Hungary, Tisza R.,**
 Mortality causes: *Pisces* 8765
- Hydrosphere,**
 Geochemistry 5854
 Pollution effects 11396
- I, Indo-Pacific,**
 Geographical distribution: *Majidae* 223
 Taxonomy Check lists: *Majidae* 223
- I, Pacific,**
 Abyssal zone 3723, 13129

- Allopatric populations: *Invertebrata* 5163, 5163
 Benthos 10943
 Biogeography: *Ascidacea* 9451
 Biogeography: *Invertebrata* 5163, 5163
 Biological rhythms: *Euphausiacea* 5261
 Blood: *Elasmobranchii* 11825
 Blood: *Pisces* 6451
 Blood: *Teleostei* 11825
 Chemical composition: *Pisces* 7869, 7877
 Chromium 8027
 Coring 11410
 Dissolved oxygen 2366
 Distributional charts 4672
 Environmental effects: *Oncorhynchus* 12040
 Environmental effects: *Pisces* 6451
 Fallout 5478, 5479
 Fats: *Pisces* 7869, 7883
 Feeding behaviour: *Euphausiacea* 5261
 Fish catch statistics: *Katsuwonus pelamis* 11223
 Fish culture 13623
 Fisheries statistics: *Hippoglossus stenolepis* 1090
 Fishery management: *Hippoglossus stenolepis* 5652
 Fishing effort: *Katsuwonus pelamis* 11223
 Fishing grounds: *Katsuwonus pelamis* 11223
 Fossils 7925
 Freezing storage: *Pisces* 7883
 Geographical distribution: *Ascidacea* 9451
 Geographical distribution: *Dactylagnus* 7249
 Geographical distribution: *Myxodagnus* 7249
 Geographical distribution: *Nerita plicata* 12839
 Habitat: *Nerita plicata* 12839
 Haematology: *Elasmobranchii* 11825
 Haematology: *Teleostei* 11825
 Hydrodynamics 12636
 International organizations: *Hippoglossus stenolepis* 1090
 Keys: *Holanthias* 12963
 Landing statistics: *Katsuwonus pelamis* 11223
 Lead 4672
 Mapping 3723
 Marine ecology Neritic province 1841
 Meteorology 8027
 Meteorology Echosounding 1218
 New species: *Ascidacea* 9451
 New species: *Cestodiscus* 2501
 New species: *Coscinodiscus* 2501
 New species: *Dactylagnus parvus* 7249
 New species: *Evermannella ahlstromi* 6205
 New species: *Evermannella megalops* 6205
 New species: *Myxodagnus opercularis* 7249
 New species: *Myxodagnus walkeri* 7249
 New species: *Rouxia* 2501
 New species: *Searsiidae* 11739
 New species: *Synerthrops truncata* 1446
 Nutrients (mineral) 2366
 Nutritive value: *Pisces* 7877
 Ocean floor 4672
 Oceanographic data Salinity 85
 Oceanographic data Statistical analysis 85
 Oceanographic data Water temperature 85
 Oxygen consumption: *Pisces* 6451
 Palaeontology 7925, 11410
 Polymorphism Enzymes: *Platichthys stellatus* 1550
 Population dynamics: *Oncorhynchus* 12040
 Processing fishery products Fish catch statistics: *Theragra chalcogramma* 3490
 Radioactive pollution 5478, 5479
 Red tides: *Trichodesmium* 5965
 Research institutions: *Hippoglossus stenolepis* 1090
 Salinity Horizontal distribution 85
 Sea law 12505
 Sea level 9050
 Sediment analysis 8027
 Sediment sampling 11410
 Sediment structure 4672
 Storage effects: *Pisces* 7883
 Taxonomy: *Searsiidae* 11739
 Temperature 3723
 Tritium 5479
 Trophic levels 10943
 Underwater photography 13129
 Water analysis (chemical) 5478, 5479
 Water circulation 4677
 Water mixing 4677
 Water pressure 12596
 Water temperature 12596
 Water temperature Horizontal distribution 85
 Water waves 9050
I, Pacific, North Western Basin,
 Distributional charts 4671
 Geographical distribution 4671
 Lead 4671
I, Pacific Ocean,
 New species: *Genicanthus lamarck* 2758
 New species: *Genicanthus personatus* 2758
 New species: *Genicanthus spinus* 2758
 Taxonomy: *Genicanthus* 2758
Iceland,
 Community composition: *Bacillariophyta* 5344
 Ecology: *Bacillariophyta* 5344
 Fisheries Research institutions 4
 Fisheries regulations 4556
 Morphology (organisms): *Achlya spiracaulis* 4747
 Oligotrophic lakes 2489
 Vegetation cover: *Bacillariophyta* 5344
 Vegetation cover: *Littorelletea* 2489
IN,
 Age composition: *Macrouridae* 7422
 Biology: *Enhydra lutris* 13073
 Biology: *Phoca vitulina* 13079
 Carbohydrates 12772
 Conferences: *Pinnipedia* 1092
 Fish catch statistics Shellfish catch statistics 3445
 Fisheries: *Theragra chalcogramma* 7864
 Fishery surveys: *Sebastes alutus* 7485
 Geographical distribution: *Callorhinus ursinus* 13842
 Geographical distribution: *Enhydra lutris* 13073
 Geographical distribution: *Phoca vitulina* 13079
 Geographical distribution: *Theragra chalcogramma* 7864
 Growth: *Macrouridae* 7422

- History: *Callorhinus ursinus* 13842
 International organizations: *Pinnipedia* 1092
 Legislation: *Eschrichtius robustus* 13835
 Marine ecology: *Callorhinus ursinus* 13842
 Marine ecology: *Enhydra lutris* 13073
 Marine ecology: *Phoca vitulina* 13079
 Migrations: *Cetacea* 7384
 Morphology (organisms): *Phoca vitulina* 13079
 Nodules 3820
 Oceanography 4660
 Photosynthesis 6565
 Photosynthesis: *Chlorophyceae* 12772
 Physical oceanography 12586
 Population dynamics: *Pinnipedia* 1809
 Population structure: *Sebastes alutus* 7485
 Research programmes Yield: *Pinnipedia* 1809
 Resource management: *Callorhinus ursinus* 13842
 Salinity 12586, 12613
 Stock assessment: *Callorhinus ursinus* 13842
 Stock assessment: *Enhydra lutris* 13073
 Stock identification: *Eschrichtius robustus* 13835
 Subpopulation: *Eschrichtius robustus* 13835
 Subpopulation: *Sebastes alutus* 7485
 Subpopulation: *Theragra chalcogramma* 7864
 Tagging: *Cetacea* 7384
 Taxonomy: *Phoca vitulina* 13079
 Water pressure 12613
 Water temperature 12586, 12613
 Water temperature Atmospheric conditions 58
 Water temperature Horizontal distribution 1151
 Wind-driven currents 5885
 Winds 12586
- IN, Aleutian Is., Samalga Pass,**
 Hydrography 11381
 Models 11381
 Oxygen 11381
 Upwelling 11381
- IN, Bering Sea,**
 Carbon dioxide 2363
 Catchability Fishing effort: *Theragra chalcogramma* 3465
 Demersal fisheries 12428
 Echosounding: *Salmonidae* 10049
 Fish catch statistics 12428
 Fisheries regulations Fishery organizations: *Hippoglossus hippoglossus* 2059
 Fishery management 5651
 Marine ecology: *Cetacea* 13117
 Sediment analysis Chemical composition 1223
 Stock assessment: *Salmonidae* 10049
 Thermocline 9033
 Trawling 12428
 Turbidity 9033
- IN, North Pacific Ocean,**
 Currents 12632
 Drifters 12632
- IN, Pacific central gyre,**
 Zooplankton Nutrient cycles 485
- India,**
 Alimentary organs: *Teleostei* 6271
- Brackishwater aquaculture 863
 Brackishwater aquaculture: *Pisces* 2119, 13691
 Check lists: *Pisces* 9963
 Chromatographic techniques: *Tilapia mossambica* 4026
 Conservation: *Platanista gangetica* 13131, 13836
 Environmental requirements Ponds 449
 Enzymes: *Teleostei* 6271
 Estuarine fisheries 4500, 9963
 Fats: *Tilapia mossambica* 4026
 Fish culture 9963, 13689, 13691
 Fish culture: *Mugilidae* 6831
 Fish protein concentrate: *Penaeidae* 4515
 Fisheries management 12451
 Fisheries resources 4500, 12406
 Fisheries resources: *Chelonia* 12407
 Fishery biology: *Mugilidae* 6831
 Fishery economics 12489
 Fishery industry legislation 4440
 Fishery products: *Sardinella longiceps* 3495
 Habitat: *Platanista gangetica* 13836
 Host-parasite systems: *Pisces Plathelminthes* 13689
 Inland fisheries 9963, 11156
 Inland fisheries: *Chanos chanos* 13855
 Inland fisheries: *Cyprinus carpio* 13855
 Inland fisheries: *Macrobrachium malcolmsonii* 13855
 Inland fisheries: *Megalops* 13855
 Inland fisheries Resource development 3501
 Introduced species: *Platanista gangetica* 13131
 Keys: *Chelonia* 12407
 Lake fisheries 12451
 Life cycle: *Pisces* 13691
 Marine aquaculture: *Pisces* 12371
 Marketing: *Pisces* 12497
 Marshes Brackishwater aquaculture 2119
 New records: *Chaetopeltis* 8501
 New records: *Volvocales* 11470
 New species: *Asplanchnopus bhimavaramensis* 171
 New species: *Gymnodinium indicum* 5983
 New species: *Woloszynskia stoschii* 5983
 New species Palaeontology: *Timiriasevia digitalis* 2244
 Parasitic diseases: *Pisces* 13689
 Ponds Phytoplankton 449
 Processing fishery products: *Penaeidae* 4515
 Reproduction: *Gymnodinium indicum* 5983
 Reproduction: *Woloszynskia stoschii* 5983
 Research programmes 13855
 Reservoirs: *Pisces* 12451
 Resource development: *Mugilidae* 6831
 Resource development: *Pisces* 12406, 12497
 Seed (aquaculture): *Pisces* 13691
 Sexual dimorphism: *Pseudotropius atherenoides* 263
 Shellfish culture: *Penaeidae* 3417
 Stock assessment: *Platanista gangetica* 13836
 Taxonomy: *Chelonia* 12407
 Taxonomy: *Volvocales* 11470
 Trade 4528
 Trade: *Chelonia* 12407
 Trade: *Pisces* 12497
 Transportation: *Chirocentrus darab* 13925
 Transportation: *Hilsa* 13925
 Transportation: *Muraenesox* 13925

Transportation: *Otolithus* 13925
 Transportation: *Scomberomorus guttatus* 13925

India, Andhra Pradesh,

Abundance: *Lecane eswari* 12798
 Check lists: *Rotifera* 4822
 New species: *Lecane eswari* 12798
 Seasonal variations: *Lecane eswari* 12798

India, Assam, Ghorajan beel,

Cage culture: *Anabas testudineus* 13685
 Cage culture: *Heteropneustes fossilis* 13685

India, Barrackpore,

Aquaculture 2264
 Fish culture 13682
 Fishery organizations 11156
 Ponds 13682
 Research institutions 11156
 Research programmes 2264
 Research programmes Research institutions 8

India, Beas R.,

Feeding behaviour: *Salmo trutta* 13257

India, Bihar,

Artificial fecundation: *Anabas testudineus* 13681
 Rearing: *Anabas testudineus* 13681
 Sexual maturity: *Anabas testudineus* 13681
 Sexual reproduction: *Anabas testudineus* 13681
 Survival: *Anabas testudineus* 13681

India, Burdwan,

Benthos: *Invertebrata* 13368
 Biomass: *Invertebrata* 13368
 Ponds: *Invertebrata* 13368

India, Cochin,

Cold storage 12490
 Fishery industry plants 12471, 12490
 New species Morphology (organisms): *Parapenaeopsis stylifera* 1442
 Research institutions 4595, 12471

India, Cuttack,

Aquaculture Resource development: *Rana* 3420

India, Darbhanga,

Chromosomes: *Chara hydropitys* 5989

India, Delhi, Inland waters,

Hosts: *Mesocyclops leuckarti* 13286
 Morphology (organisms): *Acanthosentis dattai* 13286
 Parasites: *Acanthosentis dattai* 13286

India, Dharwar, inland waters,

Limnology 10704
 Plankton 10704
 Ponds 10704
 Water analysis (chemical) 10704

India, Ghagra R.,

Biological collections: *Pisces* 2746

India, Goa,

Oceanographic institutions Research programmes 2252
 Oceanography Oceanographic institutions 2252

India, Godarari R.,

Horizontal distribution Migrations: *Macrobrachium malcolmsonii* 2950

India, Gorakhpur, Bakhira L.,

Catch statistics: *Pisces* 11235
 Check lists: *Pisces* 11235
 Fishery industry 11235
 Fishing effort 11235

India, Govindgarh L.,

Limnology 13383
 Plankton 13383
 Production (biological) 13383

India, Govindsagar Reservoir,

Gear selectivity: *Barbus tor* 4452, 5572
 Gear selectivity: *Labeo* 4452, 5572
 Gear selectivity: *Mystus seenghala* 4452, 5572

India, Hirakud Reservoir,

Experimental fishing 13561

India, Hooghly Estuarine System,

Fecundity: *Coilia ramcarati* 8412

India, Indus R.,

Abundance: *Platanista gangetica* 9674
 Conservation: *Platanista gangetica* 9674
 Population dynamics: *Platanista gangetica* 9674

India, inland waters,

Artificial spawning: *Ophicephalus* 12983

India, Inland waters,

Biochemistry: *Wallago attu* 6322
 Cytology: *Pisces* 4020
 Ecosystems: *Algae* 6586
 Fats: *Wallago attu* 6322
 Food technology: *Wallago attu* 6322

India, inland waters,

Hatcheries: *Ophicephalus* 12983

India, Inland waters,

Histochemistry: *Pisces* 4020

India, inland waters,

Larvae: *Ophicephalus* 12983
 Morphology (organisms): *Ophicephalus* 12983

India, Inland waters,

Mucus: *Pisces* 4020

India, inland waters,

Oogenesis: *Glossogobius giuris* 11794
 Ovaries: *Glossogobius giuris* 11794

India, Inland waters,

Primary production: *Algae* 6586

India, inland waters,

Reproduction: *Glossogobius giuris* 11794
 Reproduction: *Puntius pulchellus* 13697
 Resource availability: *Puntius pulchellus* 13697
 Water temperature: *Glossogobius giuris* 11794

India, Jabalpur, Pariat L.,

Host-parasite systems: *Ichthyoxenus jellinghausii* *Labeo bata* 13295

New records: *Ichthyoxenus jellinghausii* 13295
 Parasites: *Ichthyoxenus jellinghausii* 13295

India, Jagdalpur,

New species: *Hormidiella bharatiansis* 4768
 Reproduction: *Hormidiella bharatiansis* 4768

India, Jammu,Geographical distribution: *Actinastrum hantzschii* 2899Habitat: *Actinastrum hantzschii* 2899Morphology (organisms): *Actinastrum hantzschii* 2899**India, Jammu, Mansar L.,**New species: *Mansariella lacustris* 10375**India, Jamnagar,**Polyploids: *Artemia salina* 10900Population genetics: *Artemia salina* 10900**India, Kakinada,**Amino acids: *Crustacea* 12723Amino acids: *Mollusca* 12723Amino acids: *Selachii* 12723Amino acids: *Teleostei* 12723**India, Kali R.,**Fecundity: *Labeo bata* 9388Sexual reproduction: *Labeo bata* 9388**India, Kanpur,**Feeding behaviour: *Carpinus* 8831Food organisms: *Algae* 8831Geographical distribution: *Algae* 4082Inland fisheries: *Carpinus* 8831Ponds: *Algae* 8831Taxonomy: *Algae* 4082**India, Karnataka,**

Fisheries 12316

Fishery technology 12316

Inland fisheries 13855

India, Kashmir,Breeding: *Glyptothorax kashmirensis* 5044Seasonal variations: *Glyptothorax kashmirensis* 5044Sexual dimorphism: *Pisces* 1530Testes: *Glyptothorax kashmirensis* 5044**India, Kausalyaganga,**

Benthos 13369

Farm ponds 13369

India, Kerala,

Inland fisheries 12315

India, Kerala, Vembanad L.,

Benthos 9731

Community composition: *Invertebrata* 9731

Production (biological) 9731

India, Khanapur, Malaprabha R.,Anatomy: *Macrobrachium hendersodayanum* 10484Larvae: *Macrobrachium hendersodayanum* 10493Life cycle: *Macrobrachium hendersodayanum* 10493Metamorphosis: *Macrobrachium**hendersodayanum* 10493Morphology (organisms): *Macrobrachium**hendersodayanum* 10484Ontogeny: *Macrobrachium hendersodayanum* 10493**India, Killa,**

Benthos 13369

Farm ponds 13369

India, Kollera L.,Growth: *Barbus sarana* 11961Otoliths: *Barbus sarana* 11961**India, Kolleru L.,**Fecundity: *Barbus sarana* 13320Sex ratios: *Barbus sarana* 13320Sexual maturity: *Barbus sarana* 13320Spawning: *Barbus sarana* 13320**India, Konar Reservoir,**Feeding behaviour: *Cyprinidae* 13256**India, Kulti R.,**

Seed (aquaculture) 13604

India, Kumaon Himalayas, Niti Pass,

Plankton 8630

India, Loni Reservoir,Condition factor: *Labeo calbasu* 13223Fecundity: *Puntius sarana* 12987Feeding behaviour: *Labeo calbasu* 13223Length-weight relationships: *Labeo calbasu* 13223Sexual maturity: *Puntius sarana* 12987**India, Madauri,**New species: *Cyprididae* 2679**India, Madhya Pradesh, Kulgarhi Reservoir,**Growth rate: *Catla catla* 13222**India, Madras,**

Conferences 11291

India, Mandovi R.,

Monsoons 10183

River flow 10183

Seasonal variations 10183

Suspended matter 10183

India, Narakkal,Research institutions: *Penaeidae* 5774Resource development: *Penaeidae* 5774

Shellfish culture 5774

India, Raichur, Yaragera L.,Check lists: *Algae* 10300**India, Raipur, Doodhadhari L.,**

Biomass 6587

Primary production 6587

India, Rajasthan Desert,New species: *Sclerocypris indica* 2681New species: *Sclerocypris rajasthanensis* 2681**India, Sayaji Sarovar L.,**Conservation: *Crocodylus palustris* 3360**India, Sunderbans,**

Brackishwater aquaculture 13606

Salinity effects 13606

Sediment-water interface 13606

India, Tamilnadu,

Carbon 12612

Lenitic environment 12612

Limnology 12612

Nitrogen 12612

India, Tarai,

Fish culture 13695

India, Tilaiya Reservoir,Feeding behaviour: *Cyprinidae* 13256

Trash fish 13256

India, Tungabhadra Reservoir,Food chains: *Pisces* 8578Food organisms: *Pisces* 8578**India, Uttar Pradesh, Saharanpur,**Morphology: *Laguvia ribeiroi kapuri* 12955**India, Veli L.,**Population structure: *Mellita zeylanica* 6537Sex ratios: *Mellita zeylanica* 6537**India, Vellar R.,**Feeding behaviour: *Umbonium vestiarium* 5255Filter feeders: *Umbonium vestiarium* 5255**India, West Bengal,**

Fish culture 13688

India, West Bengal, Sundarbans,Hosts: *Boleophthalmus boddarti* 13303New records: *Myxidium lieberkuehni* 13303New species: *Ceratomyxa sagarica* 13303New species: *Myxidium boddarti* 13303Parasites: *Myxosporidia* 13303**Indonesia,**

Artificial feeding Fish culture 3395

Artificial feeding Shellfish culture 3395

Brackishwater aquaculture 11169

Fish culture 11169

Fish culture: *Chanos chanos* 13614Fry: *Chanos chanos* 13614Life cycle: *Lernaea cyprinacea* 9648

Marketing Fishery products 1064

Parasite control: *Lernaea cyprinacea* 9648Parasites: *Lernaea cyprinacea* 9648Seed (aquaculture): *Chanos chanos* 13614

Shellfish culture 11169

INE,Ageing methods: *Scorpaenidae* 6482

Analytical techniques 2302

Cultures: *Thalassiosira pseudonana* 10919

Fish catch statistics 1306

Fish catch statistics: *Hippoglossus stenolepis* 3483Fisheries: *Salmonidae* 12535

Fisheries statistics 1306

Geographical distribution: *Delphinus delphis* 13758Growth rate: *Callorhinus ursinus* 6362Growth regulators: *Thalassiosira pseudonana* 10919International organizations Fisheries: *Thunnidae* 2049Length-weight relationships: *Callorhinus ursinus* 6362Morphology (organisms): *Palmaria palmata* 11493Morphology (organisms): *Rhodomenia palmata* 11493New species: *Tharyx luticastellus* 3907

Nitrogen cycle 2369

Oceanographic data 2341

Otolith reading: *Sebastes* 6482Otolith reading: *Sebastolobus alascanus* 6482Phosphates: *Thalassiosira pseudonana* 10919Population parameters: *Thunnidae* 2049Reproduction: *Palmaria palmata* 11493Reproduction: *Rhodomenia palmata* 11493Research programmes: *Delphinus delphis* 13758Sport fishing: *Hippoglossus stenolepis* 3483Stock assessment: *Delphinus delphis* 13758Stock identification: *Delphinus delphis* 13758Taxonomy: *Leucicorus lusciosus* 6228Taxonomy: *Palmaria palmata* 11493Taxonomy: *Rhodomenia palmata* 11493

Tidal currents 3775

Water analysis (chemical) 2302, 2369

Water pressure 2341

Water temperature 2341

Weather conditions 1216

Zooplankton PCB 1979

INE, Alaska,Fishery surveys Geographical distribution: *Oncorhynchus gorbuscha* 1674Fishery surveys Migrations: *Oncorhynchus gorbuscha* 1674Fishery surveys Population parameters: *Oncorhynchus gorbuscha* 1674Fishery surveys Tagging: *Oncorhynchus gorbuscha* 1674**INE, Alaska Gulf,**Morphology (organisms): *Munidopsis* 10715**INE, Alaska, Traitors Cove,**Feeding behaviour: *Oncorhynchus gorbuscha* 9698Hatcheries: *Oncorhynchus gorbuscha* 9698

Zooplankton 9698

INE, Aleutian Trench,Biodegradation: *Amphipoda* 3832Microorganisms: *Amphipoda* 3832New species: *Lyssianassidae hirondeleea* 3832**INE, Bering Sea,**

Currents 7016

Hydrography 7016

PCB Bioaccumulation: *Pisces* 640Population dynamics: *Theragra chalcogramma* 1824

Salinity 7016

Shellfish fisheries: *Mollusca* 7857

Temperature 7016

INE, Bristol Bay,Feeding: *Chionoecetes bairdi* 10829Feeding: *Chionoecetes opilio* 10829Feeding: *Paralithodes camtschatica* 10829**INE, California, California Undercurrent,**

Continental slope 11380

Currents 11380

Geostrophic currents 11380

Oceanography 11380

INE, California Current,Abundance: *Heterosomata* 12395Fish larvae: *Heterosomata* 12395Geographical distribution: *Heterosomata* 12395**INE, California current,**

Seasonal variations 12683

Upwelling 12683

INE, California Current,

Water circulation 3761

INE, California current,

Winds 12683

INE, California Gulf,Environmental effects: *Pisces* 9579Population structure: *Pisces* 9579

INE, Canada,

- Catch effort: *Thunnus alalunga* 13813
- Catch statistics 5727
- Fish catch statistics: *Thunnus alalunga* 13813
- Fisheries 5727
- Fisheries statistics 3443
- Fishermen 5727
- Fishing vessels 5727
- Migrations: *Oncorhynchus nerka* 13164
- Tagging: *Oncorhynchus nerka* 13164
- Ultraviolet radiation: *Oncorhynchus nerka* 13164

INE, Canada, Brandon Isl.,

- Cage culture 8834
- Marine aquaculture 8834

INE, Canada, British Columbia,

- Aerial surveys 6845
- Boron Pollution monitoring 695
- Boron Water analysis (chemical) Colorimetric techniques 695
- Boron Water sampling 606
- Charting 6845
- Check lists: *Pisces* 6536
- Continental shelf 8910
- Echo surveys 6864
- Exploratory fishing 6864
- Fats: *Copepoda* 6509
- Fish catch statistics: *Pisces* 6865
- Fish culture: *Oncorhynchus* 6833
- Fish culture: *Salmonidae* 6834
- Fisheries surveys 6864
- Geographical distribution: *Archaeocyathidae* 8910
- Geographical distribution: *Opisthobranchia* 8496
- Geographical distribution: *Pisces* 6536
- Geographical distribution: *Porphyra* 11492
- Metals Bioaccumulation: *Crassostrea gigas* 606
- Morphology (organisms): *Porphyra* 11492
- New records: *Opisthobranchia* 8496
- Palaeontology: *Archaeocyathidae* 8910
- Parasites: *Copepoda* 6509
- Parasitic diseases New records: *Ceratomyxa shasta* *Oncorhynchus keta* 1790
- Population structure: *Pisces* 6536
- Spawning grounds: *Clupea harengus* 6845
- Taxonomy: *Porphyra* 11492
- Trawling: *Pisces* 6865
- Water analysis (chemical) Seasonal variations 1166

INE, Canada, British Columbia, Departure Bay,

- Predation: *Hyperoche medusarum* 11971
- Stomach contents: *Hyperoche medusarum* 11971

INE, Canada, British Columbia, Fraser R. Estuary,

- Pesticides: *Decapoda* 8777
- Pesticides: *Mollusca* 8777
- Pesticides: *Pisces* 8777

INE, Canada, British Columbia, Knight Inlet,

- Phytoplankton 5409

INE, Canada, British Columbia, Saanich Inlet,

- Fats Biosynthesis: *Copepoda* 238
- Zooplankton Fats 238

INE, Canada, British Columbia, Vancouver I.,

- Geographical distribution: *Rhamphidonta* 11608

New species: *Rhamphidonta* 11608

Nutrient cycles 5892

Shells: *Rhamphidonta* 11608

Water sheds 5892

INE, Canada, Gulf Isl.,

Charts: *Algae* 13118

Charts: *Invertebrata* 13118

Littoral zone: *Algae* 13118

INE, Canada, Squamish,

Benthos: *Algae* 12119

Environmental effects: *Algae* 12119

Primary production: *Algae* 12119

INE, Canada, Vancouver I.,

Current measurements 12670

Meteorological data 12670

Oceanographic data 12670

INE, Georgia Strait,

Pesticides: *Decapoda* 8777

Pesticides: *Mollusca* 8777

Pesticides: *Pisces* 8777

INE, Howe Sound,

Currents 2326, 2327, 2328, 2329

Oceanographic data 2326, 2327, 2328, 2329

Salinity 2326, 2327, 2328, 2329

Water temperature 2326, 2327, 2328, 2329

INE, Pacific,

Fish catch statistics: *Scomber japonicus* 10060

Meteorology 11400

Recruitment: *Scomber japonicus* 10060

Spawning: *Scomber japonicus* 10060

Stock assessment: *Scomber japonicus* 10060

Temperature 11400

INE, Puget Sound,

Aquaculture statistics: *Oncorhynchus* 7814

Bacterial diseases: *Oncorhynchus kisutch* 1766

Cage culture: *Oncorhynchus* 7814

Experimental fishing 11165

Fish culture: *Oncorhynchus kisutch* 2104

Homing behaviour: *Parophrys vetulus* 9561

Models 6672

Oceanodromous migrations: *Parophrys vetulus* 9561

Potential yield: *Algae* 2139

Predation Food composition: *Oncorhynchus keta* 1739

Shellfish fisheries 12328

Tagging: *Parophrys vetulus* 9561

Tidal currents 6672

Trawling 11165

Waste disposal 6672

Water circulation 6672

Yield: *Oncorhynchus kisutch* 2104

INE, Puget Sound, Bellingham Bay,

Bioaccumulation Mercury 651

Mercury Chemical pollutants 651

INE, St. Lawrence I.,

Diseases: *Odobenus divergens* 9532

Mortality causes: *Odobenus divergens* 9532

INE, USA,

Artisanal fishing 9968

Catch effort: *Thunnus alalunga* 13813

Community composition 10953
 Ecology 10953
 Eggs: *Oncorhynchus kisutch* 11789
 Fecundity: *Oncorhynchus kisutch* 11789
 Fish catch statistics 2263
 Fish catch statistics: *Thunnus alalunga* 13813
 Geographical distribution 10953
 Horizontal distribution: *Saldidae* 11878
 International organizations 2263
 Landing statistics: *Oncorhynchus kisutch* 3601
 Larvae: *Phyllaplysia taylori* 4925
 Nutrition: *Phyllaplysia taylori* 4925
 Oil pollution Chemical composition 570
 Oil pollution Pollution surveys 570
 Processing fishery products Resource development:
 Merluccius productus 3493
 Radioactive pollution 6648
 Red tides Poisons (biological): *Gonyaulax* 746
 Size distribution: *Oncorhynchus kisutch* 3601
 Size-limit regulations: *Oncorhynchus kisutch* 3601
 Speciation: *Ostrea lurida* 9241
 Traps Commercial fishing: *Anoplopoma fimbria* 835
 Traps Gear research: *Anoplopoma fimbria* 835

INE, USA, Alaska,

Ageing methods: *Mya arenaria* 5236
 Catch statistics: *Oncorhynchus* 964
 Coastal erosion 6594
 Commercial fishing Yield predictions:
 Oncorhynchus 964
 Fish catch statistics: *Oncorhynchus* 10034
 Fishery economics: *Salmonidae* 12493
 Fishery surveys: *Oncorhynchus* 964
 Geographical distribution Check lists: *Anomura* 2683
 Growth rate: *Diatomaceae* 13225
 Growth rate: *Mya arenaria* 5236
 Habitat: *Odobenus rosmarus* 11927
 Length-weight relationships: *Mya arenaria* 5236
 Oil pollution Biodegradation 703
 Oil spills 6674, 6675
 Oil spills Environmental effects 687
 Oil spills Offshore technology 687
 Oil spills Pollution control 687
 Pollution effects 12237
 Pollution effects Benthos 3268
 Pollution effects Dissolved oxygen 3268
 Predictions Spawning migrations: *Oncorhynchus gorbuscha* 965
 Resource availability Predictions: *Oncorhynchus gorbuscha* 965
 Salinity effects: *Diatomaceae* 13225
 Sediment transport 6594
 Social behaviour: *Odobenus rosmarus* 11927
 Stock assessment: *Oncorhynchus* 964
 Thermoregulation: *Odobenus rosmarus* 11927
 Yield predictions: *Oncorhynchus* 10034

INE, USA, Alaska, Anchorage, Harbour,

Channels 12704
 Harbours 12704
 Sediment transport 12704
 Sedimentation 12704

INE, USA, Alaska, Barrow,
 Precipitations (atmospheric) Water resources 1221
 INE, USA, Alaska, Prince William Sound,
 Feeding behaviour: *Pycnopodia helianthoides* 5264
 Hydrography 3749
 Predation: *Pycnopodia helianthoides* 5264
 Seasonal variations: *Pycnopodia helianthoides* 5264
 Water circulation 3749
 Water mixing 3749

INE, USA, California,

Abundance: *Cumacea* 3952
 Abundance: *Stylochopiana sargassicola* 9170
 Abundance: *Teleostei* 10539
 Algal blooms: *Cachonina ildefina* 12752
 Algal blooms Ecology: *Gonyaulax polyedra* 728
 Algal blooms Physiology: *Gonyaulax polyedra* 728
 Amino acids 9019
 Anatomy: *Polyplacophora* 8246
 Anatomy: *Sebastes* 10138
 Barium 13494
 Benthos: *Pisces* 7727
 Bioaccumulation: *Cancer anthonyi* 13460
 Bioaccumulation: *Coelopa vanduzeei* 12223
 Bioaccumulation: *Microstomus pacificus* 13460
 Bioaccumulation: *Orchestoidea corniculata* 12223
 Biomass: *Teleostei* 10539
 Bromine: *Zalophus californianus* 9890
 Cadmium 4302
 Check lists: *Pisces* 6536, 10564
 Chemical analysis: *Zalophus californianus* 9890
 Chromium Waste water 567
 Commercial fishing 7847
 Community composition 4087, 5375, 5376, 5489
 Community composition: *Algae* 5374
 Community composition: *Pisces* 7727, 11726
 Competitive behaviour: *Collisella pelta* 8523
 Coral reefs 11725
 Current measurements 75
 Current measurements Mathematical models 569
 DDT 7674
 DDT Air pollution 564
 DDT Harbours 565
 DDT PCB 492
 DDT PCB: *Microstomus pacificus* 600
 DDT PCB: *Mytilus californianus* 601
 DDT Pollution monitoring: *Mytilus californianus* 510
 Demersal fisheries 7727
 Development: *Mitra idae* 6105
 Development: *Pseudopolydora kemp* 2573
 Development: *Pseudopolydora paucibranchiata* 2573
 Diseases: *Cerithiidea californica* 6531
 Diseases: *Genyonemus lineatus* 7484
 Diseases: *Microstomus pacificus* 7484
 Diseases: *Trematoda* 6531
 Diseases Fins: *Microstomus pacificus* 396
 Diseases Heavy metals: *Microstomus pacificus* 400
 Diseases Microorganisms: *Microstomus pacificus* 397
 Dispersion Simulation 569
 Diurnal rhythms: *Mopalia muscosa* 8523
 Dredging 6771
 Drilling 13494

- Echo surveys: *Teleostei* 10539
 Ecosystems 5415, 9808
 Ecosystems: *Macrocystis* 11726
 Environmental effects 5415
 Environmental effects: *Littorina scutulata* 5161
 Environmental effects: *Pisces* 9941
 Feeding behaviour: *Nuttallina californica* 8580
 Fish catch statistics 7846, 10045, 10046, 11229
 Fish catch statistics: *Loligo opalescens* 10044
 Fisheries resources: *Teleostei* 10539
 Fisheries statistics 7846, 11219, 11229
 Fishery economics: *Loligo opalescens* 10044
 Fishery surveys: *Loligo opalescens* 4477
 Food composition: *Cephus columba* 7447
 Food composition: *Nuttallina californica* 8580
 Fouling organisms 6784
 Geographical distribution: *Cottidae* 7447
 Geographical distribution: *Cumacea* 3952
 Geographical distribution: *Ophichthus zophochir* 13145
 Geographical distribution: *Pisces* 6536, 9941
 Geographical distribution: *Stylochopiana sargassicola* 9170
 Geographical distribution: *Terebra pedroana* 13142
 Geophysics 11400
 Growth: *Acmaea limatula* 5490
 Growth rate: *Microstomus pacificus* 7433
 Growth rate Diseases: *Microstomus pacificus* 399
 Habitat: *Macrocystis* 11726
 Habitat: *Nuttallina californica* 8580
 Habitat improvement 6771
 Heavy metals: *Capitella capitata* 8780
 Heavy metals: *Mytilus californianus* 7721
 Heavy metals: *Neanthes arenaceodentata* 8780
 Homing behaviour: *Mopalia* 5220
 Homing behaviour: *Mopalia muscosa* 8523
 Hydraulics 11035
 Indicator organisms: *Mytilus* 11027
 Indicator organisms: *Mytilus californianus* 7721
 Industrial wastes 7674
 Intertidal environment 4087
 Intertidal environment: *Polyplacophora* 7942
 Invertebrate larvae: *Errantia* 4853
 Landing statistics 7846, 11219
 Lead: *Mytilus* 11027
 Length-weight realtionships: *Microstomus pacificus* 7433
 Life cycle: *Ophiodon elongatus* 11725
 Life cycle: *Pisces* 11726
 Life cycle: *Sebastes mystinus* 11725
 Locomotion: *Mopalia muscosa* 8523
 Locomotion: *Stylochopiana sargassicola* 9170
 Marine engineering 3686
 Marine fisheries 11219
 Marine pollution 7721
 Marine pollution Waste water 493
 Mercury 4302
 Mercury: *Zalophus californianus* 9890
 Metals Dissolved materials 566
 Metals Harbours 565
 Metals Harbours: *Mytilus edulis* 602
 Metals Suspended matter 566
 Metamorphosis: *Errantia* 4853
 Microorganisms Sewage 660
 Migrations: *Eschrichtius robustus* 1597
 Morphology (organisms): *Cachonina illedefina* 12752
 Morphology (organisms): *Ophryotrocha diadema* 11562
 Mortality causes: *Zalophus californianus* 9890
 Mortality rate: *Algae* 7751
 Mortality rate: *Engraulis mordax* 10059
 New species: *Acartia californiensis* 12892
 New species: *Cachonina illedefina* 12752
 New species: *Cumacea* 3952
 New species: *Henneguya sebasta* 8152
 New species: *Ophryotrocha diadema* 11562
 Noxious organisms: *Sebastes* 10138
 Nutrient cycles 9019
 Nutrients (mineral) 9808
 Ocean dumping 5509, 6751
 Oils: *Algae* 9905
 Parasites: *Henneguya sebasta* 8152
 Parasites: *Pandaris bicolor* 9650
 Parasites: *Pisces* 5274
 Parasites: *Sebastes* 8152
 Parasites: *Triakis semifasciata* 9650
 PCB 7677
 PCB Harbours 565
 Photosynthesis 9019
 Phototaxis: *Mopalia* 5220
 Physiology: *Polyplacophora* 8246
 Plankton: *Polychaeta* 4853
 Plankton Cadmium . 1882
 Pollution effects 5375, 5489
 Pollution effects: *Acmaea limatula* 5490
 Pollution effects: *Algae* 5374, 9905
 Pollution effects: *Cancer anthonyi* 13460
 Pollution effects: *Capitella capitata* 8780
 Pollution effects: *Microstomus pacificus* 7433, 13460
 Pollution effects: *Neanthes arenaceodentata* 8780
 Pollution monitoring 13494
 Pollution monitoring: *Mytilus* 11027
 Pollution surveys 4386, 6646, 6751
 Pollution surveys Benthos 599
 Pollution surveys Sediment analysis 599
 Population dynamics: *Pisces* 9941
 Population structure: *Acmaea limatula* 5489
 Population structure: *Pisces* 6536
 Population structure Feeding 417
 Population studies: *Acmaea limatula* 5490
 Recruitment: *Engraulis mordax* 10059
 Red tides Ecology: *Gonyaulax polyedra* 728
 Red tides Physiology: *Gonyaulax polyedra* 728
 Remote sensing 5852
 Reproduction: *Pseudopolydora kemp* 2573
 Reproduction: *Pseudopolydora paucibranchiata* 2573
 Research programmes 3650
 Research programmes: *Polyplacophora* 7942
 Respiration: *Eschrichtius robustus* 1597
 Sampling (biological) Line fishing gear 816
 Sampling (biological) Trawling 816
 Sampling (biological) Underwater photography 816
 Seasonal variations: *Trematoda* 6531
 Seaweed culture: *Macrocystis pyrifera* 11725

Sediment analysis 5914
 Sediment sampling 7674
 Selenium: *Zalophus californianus* 9890
 Sewage Sediment analysis 568
 Size distribution: *Gari californica* 13142
 Size distribution: *Littorina scutulata* 5161
 Size distribution: *Semele decisa* 13142
 Social behaviour: *Halichoeres semicinctus* 7409
 Spawning: *Mitra idae* 6105
 Sport fishing 7847
 Stock assessment: *Engraulis mordax* 10059
 Stock assessment: *Pisces* 7847
 Succession 5415
 Surveys Fish catch statistics 459
 Suspended matter 6749
 Symbiosis: *Halichoeres semicinctus* 7409
 Telemetry 5831
 Temperature tolerance: *Balanus tintinnabulum* 6784
 Temperature tolerance: *Mytilus edulis* 6784
 Temperature tolerance: *Syncoryne eximia* 6784
 Terminology: *Pisces* 10564
 Territory: *Mopalia muscosa* 8523
 Thermal pollution 7751, 11035, 12197
 Time series analysis 11400
 Trace constituents: *Coelopa vanduzeei* 12223
 Trace constituents: *Orchestoidea corniculata* 12223
 Trawling 7727
 Tumours: *Microstomus pacificus* 396
 Upwelling 9808
 Venom apparatus: *Sebastes* 10138
 Venom apparatus: *Sebastes auriculatus* 10138
 Vertical distribution: *Ophichthus zophochir* 13145
 Viruses Sewage 661
 Waste disposal 5509, 6749, 12197
 Waste water 12197
 Waste water Pollutants 1954
 Water analysis (chemical) 9019, 13494
 Water quality 6646
 Water temperature 5852

INE, USA, California, Agua Hedionda,

Abundance: *Zostera marina* 10747
 Light penetration: *Zostera marina* 10747
 Standing crop: *Zostera marina* 10747

INE, USA, California, Alamitos Bay,

Abundance Stock assessment: *Pisces* 1025
 Fishery surveys Stock assessment 1025
 Heavy metals: *Mytilus edulis* 8778
 Pollution effects: *Mytilus edulis* 8778
 Water quality 8778

INE, USA, California, Carmel Point,

Diurnal rhythms: *Tonicella lineata* 8238
 Habitat: *Tonicella lineata* 8238
 Respiration: *Tonicella lineata* 8238
 Temperature effects: *Tonicella lineata* 8238

INE, USA, California, Estero Bay,

Oil spills Offshore technology 688
 Oil spills Pollution control 688
 Oil spills Tankers 688

INE, USA, California, Farallon Isl.,

Ocean dumping 4387
 Radioactive wastes 4387

INE, USA, California, Humboldt Bay,

Ecology: *Tresus capax* 7860
 Geographical distribution: *Ophichthus triserialis* 13144
 Geographical distribution: *Ophichthus zophochir* 13144
 Population dynamics: *Tresus capax* 7860
 Resource management: *Tresus capax* 7860

INE, USA, California, La Jolla,

Carbon 10999
 Metabolites: *Laurencia pacifica* 8126
 Nutrient cycles 10999
 Seaweed products: *Laurencia pacifica* 8126
 Sediment-water interface 10999
 Subpopulation: *Laurencia pacifica* 8126

INE, USA, California, Los Angeles,

Pollution effects 6671

INE, USA, California, Monterey Bay,

Abnormalities: *Zaniolepis latipinnis* 12952
 Avoidance behaviour: *Pycnopodia helianthoides* 12842
 Biology: *Melibe leonina* 12842
 Chemical oceanography 3699
 Embryos: *Eumetopias jubata* 9477
 Habitat: *Macrocystis integrifolia* 12842
 Hydrography 3699
 Morphology (organisms): *Zaniolepis latipinnis* 12952
 Pesticides Biodegradation 1967
 Pesticides Sediments 1967
 Physical oceanography 3699
 Predation: *Pugettia producta* 12842
 Reproduction: *Eumetopias jubata* 9477
 Skeleton: *Zaniolepis latipinnis* 12952
 Symbionts: *Halosydna brevisetosa* 12842

INE, USA, California, Monterey County,

Feeding behaviour: *Larus occidentalis* 8684
 Food composition: *Larus occidentalis* 8684
 Predation: *Larus occidentalis* 8684
 Predation: *Nuttallina californica* 8684

INE, USA, California, Monterey Peninsula,

Feeding behaviour: *Mopalia lignosa* 8581
 Food composition: *Mopalia lignosa* 8581
 Food organisms: *Ulva* 8581
 Habitat: *Polyplacophora* 8195
 Respiration: *Mopalia lignosa* 8239
 Stomach contents: *Mopalia lignosa* 8581
 Water waves: *Polyplacophora* 8195

INE, USA, California, Moss Landing,

Morphology (organisms): *Benthodesmus elongatus* 13141
 New records: *Benthodesmus elongatus* 13141

INE, USA, California, Oakland Estuary,

Oil spills Harbours 522
 Oil spills Oil removal 522
 Oil spills Pollution control 522

INE, USA, California, Pacific Grove,

Avoidance behaviour: *Cyanoplax hartwegii* 8683
 Chemoreception: *Asteroidea* 8685
 Habitat: *Pelvetia fastigiata* 8683

- Inhibitors: *Tonicella lineata* 8685
 Invertebrate larvae: *Polyplacophora* 8218
 Ontogeny: *Polyplacophora* 8218
 Predation: *Asteroidea* 8685
 Predation: *Cyanoplax hartwegii* 8683
 Predation: *Tonicella lineata* 8685
 Spawning: *Polyplacophora* 8218
- INE, USA, California, Pacific Grove, Mussel Point,**
 Diurnal rhythms: *Cyanoplax hartwegii* 8524
 Locomotion: *Cyanoplax hartwegii* 8524
 Survival: *Cyanoplax hartwegii* 8524
 Tides: *Cyanoplax hartwegii* 8524
- INE, USA, California, Point Loma,**
 Community composition: *Pisces* 7676
 Pollution effects: *Pisces* 7676
- INE, USA, California, Point Mugu,**
 Beaches Mapping 92
 Coastal engineering 92
- INE, USA, California, Point Pinos,**
 Blood: *Nuttallina californica* 8241
 Ions: *Nuttallina californica* 8241
 Metabolism: *Nuttallina californica* 8241
 Salinity effects: *Nuttallina californica* 8241
- INE, USA, California, San Clemente I.,**
 Pollution effects 5389
 Primary production 5389
- INE, USA, California, San Diego Bay,**
 Marine engineering 109
 Offshore technology Research vessels 109
 Research vessels 109
 Underwater exploitation Research vessels 109
- INE, USA, California, San Francisco Bay,**
 Mercury 7048
 Oil pollution Chromatographic techniques: *Mytilus edulis* 571
 Oil removal Pollution control 524
 Oil spills Mortality causes: *Invertebrata* 612
 Oil spills Pollution control 524
 Oil spills Pollution effects: *Invertebrata* 612
 Oil spills Toxicity: *Invertebrata* 612
 Pollution effects Oil pollution: *Aves* 604
 Sediment structure 7048
 Suspended matter Oil pollution: *Mytilus edulis* 571
- INE, USA, California, San Pedro Bay,**
 Oceanographic data 3724
 Pollution surveys 4322
 Red tides Algal blooms: *Gonyaulax polyedra* 730
 Red tides Oceanographic data: *Gonyaulax polyedra* 730
 Red tides Toxicity: *Gonyaulax polyedra* 730
 Sediment analysis 4322
 Thermal pollution 4321
 Water pollution 4322
- INE, USA, California, Santa Barbara,**
 Feeding behaviour: *Embiotoca lateralis* 10832
 Stomach contents: *Embiotoca lateralis* 10832
- INE, USA, California, Santa Monica Bay,**
 Demersal fisheries 7728
 Fisheries surveys 7728
 Hydrography 7675
- Microbial contamination: *Bacteria* 7675
 Pollution monitoring: *Bacteria* 7675
 Sampling (biological): *Pisces* 7728
- INE, USA, California, Torrey Pines Beach,**
 Meteorological data 12693
 Oceanographic data 12693
 Wave recorders 12693
 Waves 12693
- INE, USA, California, Trinidad Bay,**
 Amino acids: *Mytilus californianus* 8583
 Nutritional requirements: *Mytilus californianus* 8583
 Population dynamics: *Oligocottus maculosus* 7491
 Stock assessment: *Oligocottus maculosus* 7491
- INE, USA, Farallon Is.,**
 Radioactive wastes 6629
- INE, USA, Oregon,**
 Aerial surveys: *Oncorhynchus kisutch* 11216
 Circadian rhythms: *Clinocardium nuttalli* 6470
 Current measurements 6969
 Currents 6969, 12654
 Dredging Sediment analysis 3336
 Ecosystems Hydrography 1163
 Environmental effects Phytoplankton 3073
 Environmental factors: *Oncorhynchus kisutch* 11216
 Estuaries 3697
 Fishery surveys: *Oncorhynchus kisutch* 11216
 Geographical distribution Abundance: *Amphipoda* 1635
 Growth rate: *Clinocardium nuttalli* 6470
 Hydrodynamics 12654
 Internal waves 11379
 New species: *Choristes coani* 6102
 New species: *Natica kanakoffi* 6102
 New species: *Neverita lamoneae* 6102
 Oil spills Coastal zone 690
 Oil spills Pollution control 690
 Parasites: *Glugea stephani* 6524
 Parasites: *Tresus capax* 5287
 Pollution effects: *Mytilus californianus* 5466
 Sediment sampling Dredging 3336
 Shellfish fisheries: *Reptantia* 4449
 Skeleton: *Penitella penita* 6470
 Surface microlayers 12587
 Suspended matter Geographical distribution 3073
 Temperature effects: *Glugea stephani* 6524
 Tides: *Clinocardium nuttalli* 6470
 Traps: *Reptantia* 4449
 Turbulence 11375
 Upwelling 11375, 11379, 12587
 Vertical distribution Temperature 1163
 Water circulation 11379
 Water temperature 11216, 12587
 Wind-driven currents 11375
 Zinc: *Mytilus californianus* 5466
- INE, USA, Oregon, Coos Bay,**
 Dredging Benthos 3338
 Dredging Estuaries 3338
- INE, USA, Oregon, Netarts Bay,**
 Environmental effects 4378
 Pollution effects 4378
 Waste disposal 4378

INE, USA, Oregon, Newport,

- Feeding mechanisms: *Myctophidae* 5257
- Mathematical models 10191
- Seismic activity 10191
- Water waves 10191

INE, USA, Oregon, Yaquina Bay,

- Growth: *Crangon* 9273
- Horizontal distribution: *Crangon* 9273
- Sexual reproduction: *Crangon* 9273
- Spawning seasons: *Crangon* 9273

INE, USA, San Francisco Bay,

- Nutrient cycles 9785
- Silicon 9785

INE, USA, Santa Cruz I.,

- Feeding behaviour: *Embiotoca lateralis* 10832
- Stomach contents: *Embiotoca lateralis* 10832

INE, USA, Washington,

- Anatomy: *Hymenomonas lacuna* 5975
- Cage culture: *Oncorhynchus* 13633
- Coastal zone 5127
- Community composition: *Algae* 10955
- Continental study 10230
- Deep currents 10230
- Enzymes: *Mytilus californianus* 9254
- Fish culture: *Oncorhynchus* 13633
- Fishery management Territorial waters 11
- Growth rate: *Chaetoceros armatum* 13227
- Legislation: *Algae* 2136
- Life cycle: *Sebastes emphaeus* 1508
- Light effects: *Chaetoceros armatum* 13227
- Marine aquaculture: *Oncorhynchus* 13633
- New species: *Hymenomonas lacuna* 5975
- Oil spills Coastal zone 690
- Oil spills Intertidal environment: *Invertebrata* 616
- Oil spills Pollution control 690
- Oil spills Pollution effects: *Invertebrata* 616
- Polymorphism: *Mytilus californianus* 9254
- Population dynamics: *Algae* 10955
- Population genetics: *Mytilus californianus* 9254
- Red tides Nutritional requirements: *Gonyaulax catenella* 738
- Red tides Population growth: *Gonyaulax catenella* 738
- Reproduction: *Venerupis japonica* 4926
- Resource development: *Oncorhynchus* 13633
- Seasonal variations: *Algae* 10955
- Seaweed culture 2136
- Seaweed culture: *Gigartina exasperata* 2134
- Seaweed culture: *Iridaea cordata* 2134
- Sediment transport 10230
- Size distribution: *Pandalus platyceros* 5666
- Spawning: *Venerupis japonica* 4926
- Taxonomy: *Hymenomonas lacuna* 5975
- Vertical distribution: *Pandalus platyceros* 5666
- Viruses: *Cryptomonas* 9663
- Viruses: *Hymenomonas carterae* 9663
- Viruses: *Microsomonas pusilla* 9663
- Water analysis (chemical) 13227
- Water quality 6740

INE, USA, Washington, Dabob Bay,

- Metabolism 9697
- Oxygen consumption 9697
- Plankton 9697

INE, USA, Washington, Duwamish R.,

- Dissolved oxygen 9005
- Estuaries 8993, 8994, 9005
- Mathematical models 8993, 8994, 9005
- Salinity 9005
- Water circulation 8993, 8994, 9005

INE, USA, Washington, Puget Sound,

- Disease control: *Vibrio anguillarum* 11992
- Diseases: *Oncorhynchus tshawytscha* 11992
- Mortality causes: *Oncorhynchus tshawytscha* 11992

INE, USA, Washington, San Juan Is.,

- Genetics: *Macoma* 4924
- Polymorphism: *Macoma* 4924

INE, USA, Washington, Seattle, Union Bay,

- Polymorphism: *Bosmina longirostris* 8622
- Predation: *Bosmina longirostris* 8622
- Seasonal variations: *Copepoda* 8622
- Seasonal variations: *Pisces* 8622
- Subpopulation: *Bosmina longirostris* 8622

INW, Philippine Sea,

- Sediment analysis Chemical composition 1223

INW,

- Abundance: *Oncorhynchus kisutch* 8857
- Benthos 5357
- Biology: *Phocoenoides* 13312
- Catchability Nyctimeral rhythms: *Thunnidae* 3387
- Check lists: *Cephalopoda* 5624
- Check lists: *Chauliodontidae* 5013
- Check lists: *Copepoda* 5324
- Check lists: *Gonostomatidae* 5013
- Check lists: *Melamphidae* 5013
- Check lists: *Melanostomatidae* 5013
- Check lists: *Sternoptychidae* 5013
- Chemical oceanography 4647
- Cruises 10130
- Currents 4650
- Echosounding 5576
- Euphotic zone 12617
- Feeding behaviour: *Thysanopoda* 5243, 5243
- Fish catch statistics 1306
- Fisheries resources 9964
- Fisheries statistics 1306
- Fisheries statistics: *Oncorhynchus kisutch* 8857
- Fishery surveys 4613
- Fishery surveys: *Anguillidae* 4614
- Fishery surveys: *Cephalopoda* 5624
- Fishery surveys: *Engraulis japonica* 5624
- Fishery surveys: *Trachurus japonicus* 5624
- Geographical distribution: *Argyropelecus* 9367
- Geographical distribution: *Oncorhynchus kisutch* 8857
- Geographical distribution Subpopulation: *Oncorhynchus keta* 1031
- Hydrodynamics 12676
- Ichthyoplankton 5323, 5622
- Invertebrate larvae 5324
- Invertebrate larvae: *Portuninae* 12885
- Keys: *Juvenichitoninae* 4916

- Keys: *Portuninae* 12885
 Larvae: *Anguillidae* 5621
 Larvae: *Cololabis saira* 5322
 Larvae: *Myctophidae* 5325
 Life cycle: *Patinopecten yessoensis* 7836
 Marine aquaculture 9964
 Marine ecology: *Phocoenoides* 13312
 Morphology (organisms): *Argyropelecus* 9367
 New species: *Juvenichitoninae* 4916
 Nitrites 10174, 12617
 Nitrogen cycle 10174, 12617
 Oceanodromous migrations: *Oncorhynchus keta* 11893
 Oceanographic data 4648, 4651
 Oil pollution 5457
 Physical oceanography 4647
 Resource development 9964
 Salinity 4649
 Sampling (biological) 4651
 Seaweed culture 13747
 Subpopulation: *Phocoenoides* 13312
 Subpopulation Feeding migrations: *Oncorhynchus keta* 1031
 Surveys 5623
 Surveys: *Myctophidae* 5325
 Tagging: *Oncorhynchus keta* 11893
 Taxonomy: *Argyropelecus* 9367
 Taxonomy: *Juvenichitoninae* 4916
 Underwater photography 4650
 Water pressure 4649
 Water temperature 4649
 Waves 12676
 Whaling statistics: *Phocoenoides* 13312
- INW, Bering Sea,**
 Zooplankton 7508
- INW, Busset Lagoon,**
 Polymorphism: *Littorina squalida* 12052
 Population genetics: *Littorina squalida* 12052
 Subpopulations: *Littorina squalida* 12052
- INW, China, People's Rep.,**
 Check lists: *Pisces* 7239
 Geographical distribution: *Pisces* 7239
- INW, Commodore Is., Bering I.,**
 Life cycle: *Salvelinus alpinus* 7276
 Population studies: *Salvelinus alpinus* 7276
- INW, Japan,**
 Abundance: *Ceratum* 12734
 Abundance: *Cololabis saira* 13328
 Abundance: *Salvelinus malma* 9522
 Ageing methods: *Branchiostegus japonicus* 1705
 Anatomy: *Phoca* 9472
 Asexual reproduction: *Caulerpa peltata* 11500
 Asexual reproduction: *Zanclaea prolifera* 12809
 Biomass Plankton: *Engraulis japonica* 1624
 Books: *Porphyra* 12338
 Breeding: *Chthamalus challengri* 9295
 Catch statistics: *Penaeus japonicus* 13739
 Check lists: *Algae* 2496, 6405
 Colour: *Miamira sinuata* 2631
 Commercial species: *Haliotis discus* 10450
 Community composition: *Algae* 9747
- Community composition: *Anthocidaris crassispina* 10959
 Community composition: *Echinometra mathaei* 10959
 Community composition: *Echinostrephus aciculatus* 10959
 Community composition: *Sargassum confusum* 4229
 Development: *Chthamalus challengri* 9295
 Dissolved materials 6651
 Diurnal rhythm: *Sagitta enflata* 10737
 Ecology: *Agrammus agrammus* 10997
 Ecology: *Hexagrammos otakii* 10997
 Ecology: *Pisces* 5008
 Economics: *Penaeus japonicus* 13928
 Electrophoresis: *Ostreidae* 4912
 Epiphytes: *Algae* 2496
 Epiphytes: *Ceramiceae* 8513
 Fats Sediment analysis 1165, 1230
 Fats Water analysis (chemical) 1165
 Fish culture 13521
 Fisheries statistics: *Cololabis saira* 13328
 Fishery economics: *Penaeus japonicus* 13739
 Geographical distribution 10912
 Geographical distribution: *Abudefduf starcki* 8505
 Geographical distribution: *Algae* 6405
 Geographical distribution: *Cephalopoda* 13140
 Geographical distribution: *Ceramiceae* 8513
 Geographical distribution: *Dermatobranchus* 12849
 Geographical distribution: *Eschrichtius robustus* 9562
 Geographical distribution: *Gnorimosphaeroma* 4085
 Geographical distribution: *Salvelinus malma* 9522
 Geographical distribution: *Stenella attenuata* 9546
 Geographical distribution: *Stenella coeruleoalba* 9546
 Geographical distribution Environmental effects: *Bacteria* 329
 Growth: *Bryopsis maxima* 13214
 Growth: *Stenella attenuata* 9456
 Habitat: *Agrammus agrammus* 10997
 Habitat: *Hexagrammos otakii* 10997
 Heavy metals Lead 1192
 Intertidal environment Geographical distribution: *Ostracoda* 1445
 Irradiation 8999
 Keys: *Loligonidae* 12848
 Keys Mouth parts: *Cephalopoda* 1401
 Larvae: *Cephalopoda* 13140
 Larvae: *Eucheilota paradoxica* 4854
 Lead Aerosols 1192
 Life cycle: *Stenella attenuata* 9456
 Light 8999
 Light penetration 8999
 Marine aquaculture: *Penaeus japonicus* 13739
 Marine fisheries 13521
 Marine pollution 6651
 Mercury Bioaccumulation: *Seriola quinqueradiata* 581
 Mercury Food chains: *Seriola quinqueradiata* 581
 Micro-organisms 4255
 Migrations: *Eschrichtius robustus* 9562
 Migrations: *Stenella attenuata* 9546
 Migrations: *Stenella coeruleoalba* 9546
 Morphology (organisms): *Gracilaria* 9126
 Morphology (organisms): *Gracilariopsis* 9126

- Morphology (organisms): *Ostracoda* 3953
 Morphology (organisms): *Ovulidae* 10442
 Morphology (organisms) Taxonomy: *Talitridae* 1448
 Mouth parts Feeding behaviour: *Trichiurus lepturus* 1727
 Mouthparts: *Ovulidae* 10442
 New record: *Ceramium howei* 8513
 New records: *Algae* 6405
 New records: *Oedogonium* 12746
 New records: *Platysympus japonicus* 7372
 New species: *Ascidia citrina* 1360
 New species: *Crassostrea sikamea* 9241
 New species: *Dermatobranchius* 12849
 New species: *Neomenia yamamotoi* 8209
 New species: *Pagurus geminus* 6137
 New species: *Platysympus japonicus* 7372
 New species: *Zanclea prolifera* 12809
 Nitrogen 13496
 Organic constituents (organisms) 10268
 Organic suspended matter Coastal zone 65
 Phosphorus 9770
 Photosynthesis: *Chlorophyta* 11525
 Photosynthesis: *Phaeophyta* 11525
 Photosynthesis: *Rhodophyta* 11525
 Photosynthetic pigments 10912, 10917
 Photosynthetic pigments Chemical analysis: *Crustacea* 1458
 Phytoplankton 9770, 10917
 Plankton 10912
 Pollution 13414
 Pollution control 13496
 Population density 4229
 Population dynamics: *Cololabis saira* 13328
 Population genetics: *Pinctada fucata* 6548
 Population genetics: *Theragra chalcogramma* 3052
 Population parameters: *Stenella coeruleoalba* 13838
 Potential yield: *Stenella coeruleoalba* 13838
 Precipitations (atmospheric) Lead 1192
 Primary production 9770, 10912
 Radioactive contamination Lead 1192
 Rearing: *Penaeus japonicus* 13739
 Red tides: *Noctiluca scintillans* 12287
 Reproduction: *Stenella attenuata* 9456
 Sampling (biological): *Cephalopoda* 13140
 Schooling behaviour: *Stenella attenuata* 9456
 Seasonal variations: *Bryopsis maxima* 13214
 Seasonal variations: *Ceratium* 12734
 Seasonal variations: *Eucheilota paradoxica* 4854
 Seasonal variations: *Salvelinus malma* 9522
 Seasonal variations: *Zanclea prolifera* 12809
 Seaweed culture 13521
 Seaweeds 11525
 Sediment analysis 4255
 Sewage 13496
 Shellfish culture 13521
 Shellfish culture: *Patinopecten yessoensis* 3415
 Shellfish culture: *Pectenidae* 12382
 Shellfish culture: *Penaeus japonicus* 13928
 Shells: *Ovulidae* 10442
 Skeleton: *Phoca* 9472
 Speciation: *Theragra chalcogramma* 3052
 Sponges 4255
 Stock assessment: *Stenella coeruleoalba* 13838
 Strontium Pollution effects 641
 Subpopulation: *Theragra chalcogramma* 3052
 Succession: *Algae* 9747
 Symbiosis 4255
 Symbiosis: *Hippolysmata grabhami* 8264
 Taxonomy: *Gracilaria* 9126
 Taxonomy: *Gracilariopsis* 9126
 Taxonomy: *Hippolysmata grabhami* 8264
 Taxonomy: *Loligonidae* 12848
 Taxonomy: *Lysmata amboinensis* 8264
 Taxonomy: *Miamira sinuata* 2631
 Taxonomy: *Neomenia yamamotoi* 8209
 Taxonomy: *Oedogonium* 12746
 Taxonomy: *Ostracoda* 3953
 Taxonomy: *Ostreidae* 4912
 Taxonomy: *Pagurus geminus* 6137
 Temperature effects: *Bryopsis maxima* 13214
 Temperature effects: *Chlorophyta* 11525
 Temperature effects: *Phaeophyta* 11525
 Temperature effects: *Rhodophyta* 11525
 Terminology: *Paradoloria pellucida* 6043
 Terminology: *Pisces* 5008
 Territorial behaviour: *Agrammus agrammus* 10997
 Territorial behaviour: *Hexagrammos otakii* 10997
 Transportation 8872
 Tsunamis 1208
 Vertical distribution: *Cephalopoda* 13140
 Vertical distribution: *Ceratium* 12734
 Vertical migrations: *Sagitta enflata* 10737
 Water analysis (biological) 4255
 Water analysis (chemical) 13414
 Water quality 13496
 Whaling: *Stenella coeruleoalba* 13838
INW, Japan, Ago Bay,
 Benthos 7548
 Fouling organisms: *Zoobotryon pellucidum* 6782
 Marine ecology: *Zoobotryon pellucidum* 6782
INW, Japan, Akkeshi,
 Morphology (organisms): *Prasiola delicata* 2503
 New records: *Prasiola delicata* 2503
INW, Japan, Amami Is.,
 Biological collections: *Ascidiaeae* 10361
 Taxonomy: *Ascidiaeae* 10361
 Terminology: *Ascidiaeae* 10361
INW, Japan, Amami Is., Yoron I.,
 Habitat: *Caulerpa racemosa* 10440
 New species: *Volvatella viridis* 10440
INW, Japan, Ariake Sound,
 Controlled conditions: *Periophthalmus cantonensis* 11907
 Feeding: *Periophthalmus cantonensis* 11907
 Rhythms: *Periophthalmus cantonensis* 11907
INW, Japan, Choshi,
 Currents: *Algae* 10286
 Geographical distribution: *Algae* 10286
INW, Japan, Echizen, Ayukawa,
 Anatomy: *Eubranchius* 10441

- Colour: *Eubranchus* 10441
 Morphology (organisms): *Eubranchus* 10441
 New species: *Eubranchus* 10441
- INW, Japan, Fukuyama,**
 Morphology (organisms): *Dinophyceae* 9533
 Spores: *Dinophyceae* 9533
 Water analysis (biological): *Dinophyceae* 9533
- INW, Japan, Gamo Lagoon,**
 Horizontal distribution: *Ocypodidae* 10744
 Intertidal environment: *Ocypodidae* 10744
 Sands: *Ocypodidae* 10744
 Tides: *Ocypodidae* 10744
- INW, Japan, Hachijo I., Kurose,**
 Benthos: *Mollusca* 2639
 New records: *Mollusca* 2639
 New species: *Cuspidaria kurodai* 2639
 New species: *Fusolaturus kuroseanus* 2639
- INW, Japan, Hakodate,**
 PCB: *Pisces* 13452
- INW, Japan, Hiroshima,**
 Age determination: *Chrysophrys major* 13215
 Growth: *Chrysophrys major* 13215
 Juveniles: *Chrysophrys major* 13215
- INW, Japan, Hokkaido,**
 Ecology Fisheries statistics: *Doryteuthis bleekeri* 976
 Energy budgets: *Diastylopsis dawsoni* 9767
 Energy budgets: *Tecticeps japonicus* 9767
 Morphology (organisms): *Hydrozoa* 12799
 Population dynamics: *Diastylopsis dawsoni* 9767
 Population dynamics: *Tecticeps japonicus* 9767
 Red tides: *Prorocentrum micans* 768
 Stinging organs: *Hydrozoa* 12799
 Toxicity Aquaculture: *Prorocentrum micans* 768
- INW, Japan, Hokkaido, Hanasaki,**
 Epiphytes: *Laminaria coriacea* 12751
 Morphology (organisms): *Rhodophysemopsis laminariae* 12751
 New species: *Rhodophysemopsis laminariae* 12751
- INW, Japan, Hokkaido, Muroran,**
 Chromosomes: *Scytosiphonaceae* 10324
 Cytology: *Scytosiphonaceae* 10324
 Life cycle: *Scytosiphonaceae* 10324
 Reproduction: *Scytosiphonaceae* 10324
- INW, Japan, Honshu,**
 Community composition: *Algae* 9700
 Geographical distribution: *Scintillona stigmatica* 5417
 New records: *Scintillona stigmatica* 5417
 Phytoplankton 9700
 Seasonal variations: *Algae* 9700
- INW, Japan, Ibaraki Prefecture,**
 Geographical distribution: *Algae* 2890
- INW, Japan, Inland Sea,**
 Geographical distribution Community composition:
Sargassaceae 1634
 History: *Cetacea* 5099
 Migrations: *Cetacea* 5099
 Pollution surveys 11050
 Shellfish culture: *Penaeus japonicus* 13928
 Whaling: *Cetacea* 5099
- INW, Japan, Izu I.,**
 Check lists: *Mollusca* 2926
 New records: *Schilderia teremachii* 2926
- INW, Japan, Izu Peninsula,**
 Juveniles: *Chaetodon selene* 8346
 Morphology (organisms): *Chaetodon selene* 8346
- INW, Japan, Kagoshima Prefecture,**
 Morphology (organisms): *Callogobius okinawae* 9368
 Terminology: *Callogobius okinawae* 9368
- INW, Japan, Kii Channel,**
 Ageing methods: *Trichiurus lepturus* 10798
 Growth rate: *Trichiurus lepturus* 10798
 Length-weight relationships: *Trichiurus lepturus* 10798
 Size distribution: *Trichiurus lepturus* 10798
- INW, Japan, Kii, Seto,**
 Geographical distribution: *Phyllidiidae* 8194
 New records: *Phyllidiidae* 8194
- INW, Japan, Kyushu,**
 Typhoons 12691
 Waves 12691
 Winds 12691
- INW, Japan, Mutsu Bay,**
 Community composition: *Mollusca* 10425
 Sampling (biological): *Mollusca* 10425
 Surveys: *Mollusca* 10425
- INW, Japan, Nabeta Bay,**
 Tagging: *Aplysia kurodai* 5174
- INW, Japan, Nagasaki harbour,**
 Culture media: *Glenodinium* 7446
- INW, Japan, Ofunato Bay,**
 Poisonous organisms: *Gonyaulax* 7885
 Poisons (biological): *Chlamys nipponensis* 7885
- INW, Japan, Okinawa Prefecture,**
 Colour: *Pandaka trimaculata* 9364
 New species: *Pandaka trimaculata* 9364
 Taxonomy Morphology (organisms): *Pseudogobius javanicus* 1515
- INW, Japan, Okitsu Bay,**
 Bacterial diseases: *Mugil cephalus* 13280
 Lesions: *Mugil cephalus* 13280
- INW, Japan, Omura Bay,**
 Environmental effects: *Gymnodinium* 6447
 Geographical distribution: *Gymnodinium* 7519
 Morphology: *Gymnodinium* 7519
 Oxygen depletion: *Gymnodinium* 6447
 Phytoplankton: *Gymnodinium* 7519
 Red tides: *Gymnodinium* 6447
- INW, Japan, Osaka Bay,**
 Bioaccumulation: *Engraulis japonica* 11077
 Growth: *Engraulis japonica* 11077
 PCB: *Engraulis japonica* 11077
- INW, Japan, Oshoro Bay,**
 Aggregations: *Copepoda* 7522
 Horizontal distribution: *Copepoda* 7522
 Vertical distribution: *Copepoda* 7522
- INW, Japan, Sagami Bay,**
 Underwater photography 1890

INW, Japan Sea,

- Ageing methods 4706
- Bioaccumulation: *Asteroidea* 9907
- Continental drift 2427
- Ecology: *Engraulis japonica* 10987
- Ecology: *Scomber japonicus* 10987
- Feeding: *Oncorhynchus gorbusha* 5249
- Fish catch statistics: *Engraulis japonica* 10987
- Fish catch statistics: *Scomber japonicus* 10987
- Fishing mortality: *Theragra chalcogramma* 7863
- Fouling organisms: *Invertebrata* 11154
- Introduced species: *Invertebrata* 11154
- Keys: *Perciformes* 7270
- Marine fisheries: *Theragra chalcogramma* 7863
- Marine pollution 4288
- Marine pollution Coastal zone 2204
- Mercury 4288
- Metals: *Asteroidea* 9907
- Methodology 4288
- Microbial contamination: *Pisces* 3553
- Migrations Seasonal variations: *Eopsetta grigorjewi* 1667
- Morphology (organisms): *Favorinus tsuruganus* 2622
- New species: *Biancolina obtusata* 11672
- New species: *Ipheplateia orientalis* 11672
- New species: *Paradexamine fraudatrix* 11672
- Ocean floor: *Diatomaceae* 4706
- Palynology 4706
- Reproduction: *Aurelia aurita* 3913
- Seasonal variations: *Engraulis japonica* 10987
- Seasonal variations: *Scomber japonicus* 10987
- Stock assessment: *Theragra chalcogramma* 7863
- Taxonomy: *Amphipoda* 11672
- Taxonomy: *Perciformes* 7270
- Zooplankton 7508

INW, Japan, Sendai Bay,

- Benthos 10951
- Communities: *Seriola quinqueradiata* 10951
- Community composition: *Pisces* 10951
- Food chains 10951
- Marine ecology Food chains: *Pisces* 481

INW, Japan, Seto Inland Sea,

- Catchability: *Penaeus japonicus* 13329
- Fishing mortality: *Penaeus japonicus* 13329
- Population dynamics: *Penaeus japonicus* 13329
- Recruitment: *Penaeus japonicus* 13329

INW, Japan, Seto-Naikai,

- Abundance Seasonal variations: *Copepoda* 226

INW, Japan, Shikoku, Anan,

- Collections: *Demospongia* 2572
- New species: *Callyspongia* 2572
- New species: *Jaspis* 2572
- New species: *Myxilla* 2572

INW, Japan, Southwest Is.,

- Geographical distribution: *Dugesia japonica* 11570
- Morphology (organisms): *Dugesia japonica* 11570
- New records: *Dugesia japonica* 11570
- Reproductive organs: *Dugesia japonica* 11570

INW, Japan, Suruga Bay,

- Food composition: *Alepisaurus ferox* 13248
- Predation: *Alepisaurus ferox* 13248

- Stomach contents: *Alepisaurus ferox* 13248
- Vertical distribution: *Sagitta nagae* 7517
- Vertical migrations: *Chaetognatha* 7517
- Zooplankton 7517

INW, Japan, Tanabe Bay,

- New species: *Crenavolva matsumiyai* 2633
- New species: *Fautor kurodai* 2635
- New species: *Kurodadrillia habui* 2635

INW, Japan, Tohoku,

- Seaweed culture 7792
- Shellfish culture 7792

INW, Japan, Tokyo Bay,

- Degradation: *Bacteria* 6633
- Methodology: *Bacteria* 6633
- Oils: *Bacteria* 6633
- Radioactive tracers 6633

INW, Japan, Toyama Bay,

- Chemical analysis: *Batillus cornutus* 9258
- Fats: *Batillus cornutus* 9258
- Feeding: *Batillus cornutus* 9258

INW, Japan, Urazoko Bay,

- Cobalt 6664
- Radioactive pollution 6664

INW, Kamchatka Trench,

- Sediment analysis Chemical composition 1223

INW, Korea,

- Geographical distribution: *Caprella* 9534
- Heavy metals 3255
- Indicator organisms: *Algae* 5469
- Industrial wastes 3255
- New records: *Caprella* 9534
- Radioactive pollution: *Algae* 5469, 5470
- Sediments 3255
- Strontium: *Algae* 5470

INW, Korea Rep.,

- Beaches: *Mollusca* 5911
- Carbonates: *Mollusca* 5911
- Current meters 5890
- Estuarine circulation 5890
- Gametogenesis Spawning seasons: *Haliotis* 199
- Indicator organisms: *Algae* 6682
- Littoral zone 3803
- New species: *Heterocaprella claviger* 6140
- Parasitic diseases: *Bucephalus Crassostrea gigas* 414
- Radioactive pollution: *Algae* 6682
- Research programmes 3653
- Sediment analysis 3803
- Sediment analysis: *Mollusca* 5911
- Sediment distribution 3803
- Sexual dimorphism: *Heterocaprella claviger* 6140
- Tidal currents 5890
- Wind-driven currents Current measurements 1179

INW, Korea Rep., Central West Coast,

- Development: *Acetes chinensis* 2702
- Reproductive organs: *Acetes chinensis* 2702
- Sexual dimorphism: *Acetes chinensis* 2702

INW, Korea Rep., East Coast,

- Water temperature 2338

INW, Korea Rep., Gajado,

Growth rate Length-weight relationships: *Crassostrea gigas* 1703

INW, Korea Rep., Jinhae Bay,

Chemical oceanography 2362

INW, Korea Rep., Korean Peninsula,

Currents 2390

Water temperature 2390

INW, Korea Rep., West Coast,

Growth rate: *Acetes chinensis* 2977

INW, Korea Strait,

Seasonal variations 5879

Thermocline 5879

Water mixing 5879

INW, Korea, Yeong-il Bay,

Light penetration 2339

INW, Kuril Is.,

Abundance: *Phocidae* 5627

Biogeography 5386

Biogeography: *Pisces* 10950

Community composition 5386

Community composition: *Pisces* 10950

Feeding behaviour: *Eumetopias jubatus* 9629

Food organisms: *Theragra chalcogramma* 9629

Geographical distribution: *Phocidae* 5627

Littoral zone: *Pisces* 10950

Predation: *Eumetopias jubatus* 9629

Reproduction Population dynamics: *Oncorhynchus gorbuscha* 429

Stomach contents: *Eumetopias jubatus* 9629

Stomach contents: *Eumetopias stelleri* 1734

Temperature effects 5386

INW, Kuroshio,

Secondary production Zooplankton 1840

INW, Kuroshio Current,

Check lists: *Melanostomiidae* 11747

Currents 9038

Eddies 9038

Fish larvae: *Congridae* 7257

Geographical distribution: *Thunnus thynnus* 10707

New records: *Batophilus brevis* 10708

New records: *Rosaura rotunda* 10708

New records: *Wintheria telescopa* 10708

Oil pollution 13433

Oil spills 13433

Seasonal variations 9038

Slicks 13433

Taxonomy: *Melanostomiidae* 11747

Water circulation 9038

Water temperature Atmospheric conditions 58

INW, Mexico Gulf,

Fishery management 4531

Shellfish catch statistics 4531

Shellfish fisheries 4531

INW, Okhotsk Sea,

Catadromous migrations: *Oncorhynchus* 6529

Chemical analysis: *Clupea pallasii* 9416

Chromosomes Taxonomy: *Callorhinus ursinus* 1583

Diurnal rhythm: *Parathemisto japonica* 10736

Environmental effects: *Clupea pallasii* 9416

Fats: *Clupea pallasii* 9416

Fecundity: *Oncorhynchus keta* 430

Feeding: *Parathemisto japonica* 10736

Fishing mortality Coastal fisheries: *Oncorhynchus gorbuscha* 999

Fishing mortality Coastal fisheries: *Oncorhynchus keta* 999

Fishing mortality Marine fisheries: *Oncorhynchus gorbuscha* 999

Fishing mortality Marine fisheries: *Oncorhynchus keta* 999

Gases 7040

Invertebrate larvae: *Todarodes pacificus* 7363

Juveniles: *Oncorhynchus* 6529

Keys: *Perciformes* 7270

New records: *Gonatopsis japonicus* 2927

Parasites: *Erignathus barbatus* 3001

Parasites: *Oncorhynchus* 6529

Plankton 7533

Population dynamics Reproduction rate: *Oncorhynchus gorbuscha* 999

Population dynamics Reproduction rate: *Oncorhynchus keta* 999

Sediment analysis 7040

Sediment analysis Chemical composition 1222, 1223

Sediment analysis Pigments 1222

Spawning grounds: *Todarodes pacificus* 7363

Taxonomy: *Perciformes* 7270

Vertical migrations: *Parathemisto japonica* 10736

Zooplankton 7508

INW, Pacific,

Geographical distribution: *Oncorhynchus* 9521

Geomagnetism 8026

Seasonal variations: *Oncorhynchus* 9521

Sediment analysis 8026

INW, Peter the Great Bay,

Benthos 10944

Succession 10944

Trophic levels 10944

INW, Primor'e,

Amino acids: *Theragra chalcogramma* 7868

Proteins: *Theragra chalcogramma* 7868

INW, Sakhalin,

Juveniles Environmental effects: *Oncorhynchus keta* 891

Juveniles Length-weight relationships: *Oncorhynchus keta* 891

Juveniles Nutrition: *Oncorhynchus keta* 891

Juveniles Rearing: *Oncorhynchus keta* 891

Juveniles Survival: *Oncorhynchus keta* 891

INW, South Sakhalin,

Taxonomy New records: *Gammaridea* 1453

Taxonomy New species: *Gammaropsis (Podoceros) barnardi* 1453

Taxonomy New species: *Synchelidium bulyschevae* 1453

Taxonomy New species: *Synchelidium gurbanovae* 1453

INW, Tsushima Current,

Water temperature 2338, 2390

INW, USSR,

Check lists: *Cryptonemiales* 9119
 Geographical distribution: *Cryptonemiales* 9119
 New species: *Kallymeniopsis circinnata* 9119
 Terminology: *Crossocarpaceae* 9119

INW, USSR, Kamchatka,

Chromosomes: *Salmo gairdneri* 6263
 Chromosomes: *Salmo mykiss* 6263
 Coastal fisheries Fishing mortality: *Oncorhynchus nerka* 997
 Eggs: *Paralithodes camtschatica* 9199
 Fecundity: *Paralithodes camtschatica* 9199
 Fishing mortality Coastal fisheries: *Oncorhynchus kisutch* 996
 Overfishing Marine fisheries: *Oncorhynchus nerka* 997
 Population structure: *Oncorhynchus kisutch* 996
 Reproduction: *Paralithodes camtschatica* 9199
 Size distribution: *Paralithodes camtschatica* 9199
 Subpopulation Stock assessment: *Oncorhynchus nerka* 997
 Taxonomy: *Salmo mykiss* 6263

INW, USSR, Primor'e,

Population dynamics: *Oncorhynchus gorbuscha* 1000
 Stock assessment: *Oncorhynchus gorbuscha* 1000

INW, USSR, Sakhalin,

Community composition: *Copepoda* 9701
 Seasonal variations: *Copepoda* 9701
 Zooplankton 9701

INW, USSR, Vostok Bay,

Bioaccumulation: *Algae* 11091
 Heavy metals: *Algae* 11091

INW, Yellow Sea,

Demersal fisheries 3458
 Fish catch statistics 3458
 Fishery biology: *Pleuronichthys cornutus* 2053
 Fishing effort 3458
 Fishing grounds Community composition 2147
 Keys: *Perciformes* 7270
 Morphology (organisms): *Pseudosciaena manchurica* 1500
 Population dynamics: *Pisces* 10799
 Reproduction Population dynamics: *Chrysophrys major* 1819
 Seasonal variations: *Pisces* 10799
 Taxonomy: *Perciformes* 7270

Iran,

New records: *Culex* 6418
 New records: *Culiseta* 6418
 New species: *Potamonectes resilli* 10532
 Reservoirs 2421
 Sediment transport 2421
 Sedimentation 2421

Iran, Caspian Sea,

Bibliographic information 5128

Iran, inland waters,

Pollution effects 12164
 Pollution monitoring 12164

Iran, Karadj R.,

Temperature tolerance: *Shigella flexneri* 8085

Iraq,

Fossils: *Maedlerisphaera arabica* 13949
 New species: *Maedlerisphaera arabica* 13949

Iraq, Abu-Dibic L.,

New record: *Palaemon elegans* 1627

Iraq, Basrah,

Rearing: *Cyprinus carpio* 13676

Iraq, Dukan,

Palaeontology 8914

Iraq, Shatt-al-Arab,

Check lists: *Pisces* 13135
 Freshwater ecology: *Pisces* 13135

IS,

Coral reefs: *Echinodermata* 7553
 Fish catch statistics Resource availability: *Katsuwonus pelamis* 7853
 Fisheries: *Anguilla* 6867
 Fisheries: *Sicyopterus* 6851
 Fisheries: *Siganus* 6851
 Mangrove swamps Coastal fisheries 808
 Taxonomy: *Monotaxinae* 12953
 Taxonomy: *Percoidae* 12953
 Taxonomy: *Syngnathidae* 9374

IS, Cromwell Current,

Nitrogen cycle 3131

IS, Equatorial Counter Current,

Winds Currents 91

IS, Indo-West Pacific,

Coral reefs: *Pontoniinae* 7552
 Symbiosis: *Pontoniinae* 7552

IS, North Equatorial Current,

Community composition: *Cyclopoida* 2932
 Currents 12635
 Seasonal variations 12635
 Vertical migrations: *Cyclopoida* 2932
 Zooplankton 2933

IS, Pacific,

Bioluminescence 2332, 3106
 Charting 3679
 Currents 2385
 Ecosystems 3606
 Fisheries resources: *Holothuriodea* 11155
 Fisheries resources Resource development: *Katsuwonus pelamis* 7842
 Fluorescence 3105, 3112
 Islands 3679
 Light penetration 3111
 Morphology: *Holothuriodea* 11155
 Nitrogen 3131
 Nitrogen cycle 3131
 Nutrients (mineral) 3131
 Organic suspended matter 3105
 Pelagic fisheries: *Katsuwonus pelamis* 12445
 Pelagic zone 3606
 Phosphates 3132
 Phosphorus cycle 3132
 Photosynthesis 3109, 3111
 Photosynthetic pigments 3111, 3112
 Phytoplankton 3056, 3109

- Plankton 3106
 Primary production 3056
 Refraction 2332
 Remote sensing 3679
 Research programmes Fisheries 2275
 Resource development: *Katsuwonus pelamis* 12445
 Satellites 3679
 Sea level 12584
 Suspended matter 2332
 Upwelling 3132
 Water temperature 12584
 Winds 12584
IS, Pacific, Cromwell Current,
 Currents 2384
 Currents Winds 91
 Hydrology 3108
IS, Pacific, South Equatorial Current,
 Currents 2384
 Deep currents 2384
ISE,
 Biocoenoses: *Pisces* 3136
 Biological collections: *Foraminifera* 4200
 Bioluminescence 3113
 Carbon 2352
 Check lists: *Pisces* 11746
 Chlorophylls 3110
 Collections: *Stomatopoda* 2695
 Currents 2385
 Deep currents 2352
 Divergence zone 3114
 Euphotic zone 3114
 Feeding: *Copepoda* 3137
 Food conversion: *Copepoda* 3137
 Gametogenesis: *Globigerinella aequilateralis* 9213
 Geographical distribution: *Stomatopoda* 2695
 Horizontal distribution: *Calanoida* 3058
 Horizontal distribution: *Chaetognatha* 3058
 Ichthyoplankton 3059
 International organizations Fisheries: *Thunnidae* 2049
 Light penetration 2386
 Marine ecology: *Cetacea* 13117
 Metabolic rate: *Copepoda* 2720
 Metabolic rate: *Pisces* 2839
 Morphology (organisms): *Aruma histrio* 10556
 Morphology (organisms): *Munidopsis* 10715
 Mortality: *Stenella attenuata* 13840
 Mortality: *Stenella longirostris* 13840
 Nannoplankton 3114
 Nannoplankton Biomass 1924
 Nannoplankton Production (biological) 1924
 New records: *Phaenomonas* 11761
 Nutrients (mineral) 3108
 Nutritional requirements: *Copepoda* 3137
 Nutritional requirements Growth regulators: *Chaetoceros gracilis* 191
 Organic suspended matter 2353
 Phosphorus 2352
 Photosynthetic pigments 3110
 Phytoplankton 3108, 3113
 Population dynamics: *Stenella* 13840
 Population parameters: *Thunnidae* 2049
 Primary production 3108, 3114
 Production (biological) 3114, 3134
 Productivity: *Chaetoceros gracilis* 191
 Regional variations: *Aruma histrio* 10556
 Research programmes: *Stenella* 13840
 Respiration: *Chaetognatha* 3115
 Respiration: *Crustacea* 3115
 Respiration: *Ctenophora* 3115
 Respiration: *Pisces* 2839
 Respiration: *Siphonophora* 3115
 Respiratory quotient: *Copepoda* 2720
 Respiratory quotient: *Pisces* 2839
 Stock assessment: *Stenella attenuata* 13840
 Stock assessment: *Stenella longirostris* 13840
 Suspended matter 2331, 3113
 Taxonomy: *Globorotalia menardii* 1348
 Taxonomy: *Pisces* 11746
 Taxonomy Morphology (organisms) Meristic counts:
 Margrethia obtusirostra 11740
 Terminology: *Aruma histrio* 10556
 Trophic levels 3134, 3135
 Upwelling 2331, 2385, 2386, 3134
 Vertical distribution: *Calanoida* 3058
 Vertical distribution: *Chaetognatha* 3058
 Vertical migrations: *Euchaeta marina* 2933
 Water analysis (chemical) 2352
 Zooplankton 3057, 3058, 3135
ISE, America,
 Geographical distribution: *Dactyloscopus* 9380
 New species: *Dactyloscopus* 9380
 Taxonomy: *Dactyloscopus* 9380
ISE, Baja California,
 Oil pollution 5461
ISE, Baja California, San Quintin Bay,
 Oceanography 4652
 Shellfish culture 4652
ISE, California Current,
 Abundance: *Heterosomata* 12395
 Fish larvae: *Heterosomata* 12395
 Geographical distribution: *Heterosomata* 12395
 Marine ecology: *Cetacea* 13117
ISE, California Gulf,
 Abundance: *Etrumeus teres* 13772
 Abundance: *Sardinops sagax* 13772
 Anatomy: *Neogastropoda* 12856
 Cadmium: *Hinnites multirugosus* 9863
 Cadmium: *Mytilus californianus* 9863
 Catch effort: *Etrumeus teres* 11251
 Catch effort: *Opisthonema libertate* 11251
 Catch effort: *Sardinops sagax* 11251
 Chlorophylls 9711
 Echo surveys: *Anchoa* 11217
 Echo surveys: *Opisthonema libertate* 11217
 Echo surveys: *Sardinopsis sagas* 11217
 Evolution: *Neogastropoda* 12856
 Exploratory fishing 7841
 Fishery surveys 7841
 Fishery surveys: *Anchoa* 11217
 Fishery surveys: *Opisthonema libertate* 11217
 Fishery surveys: *Sardinopsis sagas* 11217

Geographical distribution: *Etrumeus teres* 13772
 Geographical distribution: *Sardinops sagax* 13772
 Harvesting: *Zostera marina* 4469
 Ichthyoplankton: *Clupeidae* 13772
 Ichthyoplankton Surveys: *Clupeidae* 453
 Ichthyoplankton Surveys: *Sardinops caerulea* 1033
 Inorganic suspended matter 4664
 Marine ecology: *Encope grandis* 5295
 Marine ecology: *Mellita grantii* 5295
 Nutritive value: *Zostera marina* 4469
 Oceanography 5784
 Plankton 9711
 Remote sensing 5784
 Reproductive organs: *Neogastropoda* 12856
 Stock assessment: *Merluccius* 7841
 Stock assessment: *Pleuroncodes planipes* 7841
 Stock assessment Ichthyoplankton: *Sardinops caerulea* 1033
 Symbiosis: *Algae* 11003
 Symbiosis: *Didemnum* 11003
 Symbiosis: *Synechocystis* 11003
 Turbidity 4664

ISE, Chile,

Biogeography: *Echinoidea* 6019
 Catch statistics 7901
 Commercial species Chemical composition: *Algae* 801
 Community composition 6559
 Fisheries regulations 13934
 Fossils: *Echinoidea* 6019
 Fossils: *Venus* 6090
 Geographical distribution: *Peridinium archiovatum* 6559
 Harvesting Processing fishery products: *Algae* 801
 Morphology (organisms): *Perumytilus purpuratus* 6136
 New records: *Tanystylum intermedium* 7358
 New species: *Macrurorhynchus pulchellus* 1494
 New species: *Prosobranchiata* 6089
 New species: *Trachyrhynchus villegai* 1494
 Plankton 6559
 Seaweeds Harvesting 801
 Stock assessment: *Phocoena spinipinnis* 13837
 Taxonomy: *Collisella* 6089
 Taxonomy: *Fissurella* 6089
 Taxonomy: *Lucapina* 6089
 Taxonomy: *Macrouriformae* 1494

ISE, Chile, Eastern Islands,

Geographical distribution: *Asteroidea* 6025
 Taxonomy: *Echinoidea* 6025

ISE, Chile, Mejillones del Sur Bay,
 Growth: *Thais chocolata* 1816

ISE, Colombia,

Charting 3680
 Navigation 3680
 Remote sensing 3680
 Satellites 3680

ISE, Columbia,

Community composition 4231
 Population dynamics 4231

ISE, Columbia, Malpelo Is.,

New species: *Narcissia gracilis* 2567
 New species: *Tamaria stria* 2567

ISE, Columbia, Malpelo Isl.,

Community composition: *Pisces* 2751
 Ecology: *Macroura* 2659
 Geographical distribution: *Pisces* 2751
 New species: *Alpheus grahami* 2659
 New species: *Chirolepis* 2787
 New species: *Synalpheus bannerorum* 2659

ISE, Cook Is.,

Check lists Benthos 460
 Coral reefs Community composition 460

ISE, Cook Is., Rarotonga,

Manganese 7057
 Nodules 7057
 Underwater photography 7057

ISE, Costa Rica,

Biology: *Pelamis platurus* 8420
 Colour: *Pelamis platurus* 8420
 New species Taxonomy: *Mesovelgia halirrhya* 1477
 New species Taxonomy: *Rheumatobates prostatus* 1477
 Noxious organisms: *Pelamis platurus* 8420
 Poisons (biological): *Pelamis platurus* 8420

ISE, East Pacific,

Geophysics 99
 Mapping Ocean floor 99
 Ocean floor Submarine features 99
 Sonar Mapping 99
 Submarine features Mapping 99

ISE, Easter I.,

Biological collections: *Bryozoa* 4819
 Fisheries statistics: *Panulirus pascuensis* 5637
 Fishery biology: *Panulirus pascuensis* 5637
 New species: *Crepidacanta anakensis* 4819
 New species: *Cribrilaria paschalis* 4819
 Speciation: *Pisces* 6540

ISE, Ecuador,

Fisheries regulations 13934
 New records: *Kermia informis* 7379

ISE, Ecuador, Guayas R.,

Estuarine circulation 9030
 Salinity 9030
 Tidal currents 9030

ISE, French Polynesia,

Aquaculture Tropical zones 855
 Community composition: *Mollusca* 5382
 Coral reefs: *Mollusca* 5382
 Research programmes Aquaculture 855

ISE, Galapagos,

Biocoenoses: *Turbellaria* 3872
 Bottom topography 10226
 Check lists: *Algae* 6428
 Geophysics 10226
 Homing behaviour: *Amblyrhynchus cristatus* 6455
 Homing behaviour: *Grapsus grapsus* 6455
 Homing behaviour: *Talorchestia fritzi* 6455
 Interstitial environment: *Aeolosoma maritimum* 3871
 Interstitial environment: *Dolichomacrostomidae* 3877
 Interstitial environment: *Gastrotricha* 3869
 Interstitial environment: *Kinorhyncha* 3881
 Interstitial environment: *Myozona* 3884

Interstitial environment: *Oligochaeta* 3871
 Interstitial environment: *Otoplanidae* 3870
 Interstitial environment: *Polychaeta* 3882
 Interstitial environment: *Trigonostominae* 3873
 Interstitial environment: *Turbellaria* 3872
 New species: *Aeolosoma maritimum* 3871
 New species: *Dolichomacrostomidae* 3877
 New species: *Echinoderes pacificus* 3881
 New species: *Myozona* 3884
 New species: *Otoplanidae* 3870
 New species: *Polinices hacketti* 6102
 New species: *Polystyliphora darwini* 3872
 New species: *Tomopagurus macLaughlinae* 7203
 New species: *Trigonostominae* 3873
 New species: *Vannuccia hastata* 3872
 New species: *Vannuccia talea* 3872
 Seismic activity 10226
 Taxonomy: *Myozona* 3884
 Taxonomy Terminology: *Muraenidae* 1522

ISE, Galapagos Is., Bahia Darwin,
 Nitrates 12611
 Oceanography 12611
 Oxygen 12611
 Sediment-water interface 12611

ISE, Guatemala,
 Geographical distribution: *Aspidosiphon schnehageni* 7153
 Morphology (organisms): *Aspidosiphon schnehageni* 7153

ISE, Hawaii,
 Biochemical cycle Microorganisms 477
 Buoyancy: *Pisces* 6298
 Currents 3784
 Fats: *Antimora rostrata* 6297
 Fats: *Pisces* 6298
 Feeding behaviour: *Terebra gouldi* 6086
 Geographical distribution: *Cypraea* 2613
 Geographical distribution: *Gnorimosphaeroma* 4085
 Geographical distribution New records: *Alepocephalus blanfordii* 1633
 Hosts: *Pisces* 7145
 Ichthyoplankton 13355
 Life cycle: *Sargassum obtusifolium* 9587
 Life cycle: *Sargassum oligocystum* 9587
 Life cycle: *Sargassum polyphyllum* 9587
 Life cycle: *Terebra gouldi* 6086
 Metabolism: *Antimora rostrata* 6297
 Migrations: *Chelonia* 9558
 Morphology (organisms): *Pseudomonacanthus garetti* 264
 New records: *Pseudogrillotiidae* 7145
 New records: *Scorpaenidae* 1521
 New species: *Nybelinia basimegacantha* 7145
 New species: *Prochistianella micracantha* 7145
 New species: *Prosthiostomum katio* 11563
 New species: *Prosthiostomum montiporae* 11563
 New species: *Pseudogrillotia basipunctata* 7145
 New species: *Pterobothrium hawaiiensis* 7145
 New species: *Scorpaena pele* 1521
 New species: *Scorpaenopsis brevifrons* 1521
 New species: *Trizopagurus hawaiiensis* 6150

Nitrogen cycle Microorganisms 477
 Oceanographic data 11400
 Parasites: *Pseudogrillotiidae* 7145
 Plankton Nitrogen cycle 477
 Pollution effects 3292
 Speciation: *Cypraea* 2613
 Speciation: *Pisces* 6540
 Taxonomy: *Cypraea* 2613
 Taxonomy: *Enchiridium japonicum* 11563
 Thermal pollution 3292
 Waste disposal 3170
 Water waves 3784
 Weather forecasting 12688
 Winds 3784

ISE, Hawaii, Kaneohe Bay,
 Estuaries 9693
 Plankton 9693
 Simulation 9693
 Trophic levels 9693
 Zooplankton 3086

ISE, Hawaii, Kealakua Bay,
 Biochemistry: *Carcharhinus milberti* 6294
 Haemoglobins: *Prionace glauca* 6294

ISE, Hawaii, Kona,
 Abyssal zone Experimental fishing 2148

ISE, Hawaii, Oahu,
 Mangrove swamps Taxonomy: *Actinoplanes* 121
 Mangrove swamps Taxonomy: *Phycomycetes* 121

ISE, Hawaii, Oahu I.,
 Abundance: *Mitridae* 10437
 Check lists: *Mitridae* 10437
 Taxonomy: *Mitridae* 10437
 Terminology: *Mitridae* 10437

ISE, Hawaii, Oahu, Kaneohe Bay,
 Biometrics: *Stolephorus purpureus* 7497
 Fecundity: *Stolephorus purpureus* 7497

ISE, Hawaiian Ridge,
 Geographical distribution: *Hozukius guyotensis* 6235
 Morphology: *Hozukius guyotensis* 6235
 Plankton 5335

ISE, Marquesas Is.,
 Competition 6596
 Coral reefs 6596
 Phytoplankton 6596
 Primary production 6596

ISE, Mexico,
 Beaches 6429
 Biocoenoses 6429
 Biometrics: *Penaeidae* 10820
 Catch effort: *Thunnus alalunga* 13813
 Check lists 6429
 Fish catch statistics: *Thunnus alalunga* 13813
 Fisheries Commercial species: *Panulirus* 2055
 Fisheries resources 6868
 Gear selectivity: *Penaeidae* 11167
 Length-weight relationships: *Penaeus californiensis* 10820
 Length-weight relationships: *Penaeus stylirostris* 10820
 Length-weight relationships: *Penaeus vannamei* 10820

Morphology (organisms): *Otobothrium dipsacum* 155
 New species: *Porrocaecum caballeroi* 156
 New species Taxonomy: *Speovelia mexicana* 1477
 Parasites: *Porrocaecum caballeroi* *Makaira mitsukurii* 156
 Resource development 6868
 Stock identification: *Eschrichtius robustus* 13835
 Topography 3765
 Turbidity currents 3765
 Zoogeography 6429

ISE, Mexico, Baja California,

Biomass Horizontal distribution: *Pleuroncodes planipes* 968
 Harvesting Yield: *Gelidium robustum* 795
 Harvesting Yield: *Maerocystis pyrifera* 798
 Juveniles: *Cynoscion macdonaldi* 6219
 Morphology (organisms): *Cynoscion macdonaldi* 6219
 Seaweeds Yield 795, 798
 Shellfish catch statistics: *Haliotis* 11252
 Shellfish catch statistics: *Panulirus* 11252

ISE, Mexico, Baja California, Benitos Is.,

Growth rate: *Haliotis corrugata* 6481
 Mortality: *Haliotis* 6481

ISE, Mexico, California,

Harvesting Yield: *Gigartina canaliculata* 796
 Seaweeds Yield 796

ISE, Mexico, Ensenada,

Morphology (organisms): *Laurencia pacifica* 8126

ISE, Midway Is.,

Taxonomy New species: *Caprodon unicolor* 1505

ISE, New Zealand,

Aerial photography 8482
 Estuaries 8482

ISE, New Zealand I.Terr.,

Growth rate: *Arctocephalus forsteri* 7431
 Length-weight relationships: *Arctocephalus forsteri*

ISE, Pacific,

Pollution 7987
 Water analysis (chemical) 7987

ISE, Panama,

Community composition: *Pocillopora damicornis* 10948
 Coral reefs: *Decapoda* 10948
 Environmental effects: *Decapoda* 10948
 Evolution: *Bathygobius* 10590
 New records: *Serolis tropica* 4950
 New species: *Serolis tropica* 4950

ISE, Panama, Chiriqui Gulf,

Coral reefs 10947

ISE, Panama Gulf,

Abundance: *Decapoda* 10996
 Abundance: *Pocillopora damicornis* 10996
 Ecology: *Decapoda* 10996
 Ecology: *Pocillopora damicornis* 10996
 Oil pollution 13455

ISE, Panama, Paitilla,

Benthos: *Tetracilita stalactifera* 10941, 11001
 Communities: *Tetracilita stalactifera* 10941, 11001
 Succession: *Tetracilita stalactifera* 11001

ISE, Peru,

Bioluminescence 3107
 Chemical composition: *Penaeus* 4513
 Chemical oceanography 6988
 Chlorophylls 3110
 Coastal fisheries 3366
 Currents 2323
 Eggs: *Engraulis ringens* 11784
 Feeding behaviour: *Engraulis ringens* 7448
 Fisheries 4435
 Fisheries Resource development 3489
 Fisheries regulations 13934
 Fishery products: *Penaeus* 4513
 Fluorescence 3105, 3112
 Growth rate: *Calamus brachysomus* 9671
 Hydrology 6988
 Larvae: *Engraulis ringens* 11784
 Light penetration 2386, 3111
 Mathematical models 9794
 Meristic counts: *Trachurus symmetricus* 11768
 Morphology (organisms): *Trachurus symmetricus* 11768
 Nannoplankton 3133
 New records: *Onoba fortis* 7379
 New species: *Mustelus whitneyi* 12954
 New species: *Raja velezi* 12954
 Nutrient cycles 9794
 Nutrients (mineral) 7581
 Ontogeny: *Engraulis ringens* 11784
 Organic suspended matter 3105
 Phosphates 3133
 Photosynthetic pigments 3110, 3112
 Physical oceanography 6988
 Phytoplankton 3109, 3110, 3133, 7527
 Plankton 3107
 Primary production 7580, 7581
 Production (biological) 7580
 Research programmes 3653
 Resource development 4435
 Resource development Fishery industry 3489
 Salinity 2323
 Secondary production 3116
 Spawning: *Engraulis ringens* 11784
 Spawning seasons: *Calamus brachysomus* 9671
 Stock assessment: *Phocoena spinipinnis* 13837
 Suspended matter 2331
 Upwelling 2323, 3105, 3107, 6988, 7527, 7580, 7581, 9794
 Vertical distribution: *Engraulis ringens* 11784
 Water circulation 12644
 Water temperature 2323, 12644
 Winds 12644
 Yield: *Engraulis ringens* 2162
 Zooplankton 3116

ISE, Peru-Chile Trench,

Biological collections: *Ophiothamnus dupla* 12808
 Cruises 12808
 New species: *Amphilepsis nuda* 12808
 New species: *Gymnophiura concava* 12808
 New species: *Ophiacantha savagica* 12808
 New species: *Ophiomastus bulfonica* 12808

New species: *Ophiothamnus dupla* 12808

New species: *Ophoernus barracloughi* 12808

New species: *Theodorina madseni* 12808

ISE, Peru Current,

Abundance: *Bacillariophyceae* 5346

Community composition: *Bacillariophyceae* 5346

Ecosystems 2392

Fishery oceanography Research programmes 2150

Fishery surveys 2150

Geographical distribution: *Bacillariophyceae* 5346

Mapping 2392

Upwelling 2392

ISE, Phoenix Is., Canton Is.,

Biological collections: *Cypraea* 2594

Morphology (organisms): *Cypraea* 2594

ISE, Phoenix Isl., Canton Isl.,

Atolls 3741

Lagoons 3741

ISE, Pitcairn Is.,

New species: *Mollusca* 6097

Terminology: *Pellissimnia* 6097

ISE, Polynesia,

Oils Biosynthesis 69

Water analysis (chemical) Sediment analysis 69

ISE, Society Is.,

Coral reefs 7583

Phytoplankton 7583

Primary production 7583

Trophic levels 7583

ISE, Tahiti,

Agricultural runoff 7583

Check lists: *Diatomaceae* 3068

Geographical distribution: *Dinoflagellata* 3078

New species: *Diatomaceae* 3068

Plankton 3078

Poisons (biological): *Ctenochaetus striatus* 13892

Taxonomy: *Mastogloia gregorii* 3068

Taxonomy: *Mastogloia punctatissima* 3068

Ultrastructure Morphology (organisms):

Mastogloia 2507

ISE, Tuamotu Is., Takapoto Atoll,

Community composition 12125

Phytoplankton 12125

Primary production 12125

ISE, USA,

Community composition 10953

Ecology 10953

Geographical distribution 10953

Speciation: *Ostrea lurida* 9241

ISE, USA, California,

Coastal zone Marine pollution 633

Dredging 6770

Habitat improvement 6770

Waste disposal 6770

ISE, USA, California, lagoons,

Benthos Community composition 457

ISE, Western Samoa,

Sea level 10200

ISEW,

Anatomy: *Pholidichthys leucotaenia* 11765

Benthos 4637, 5357

Biotope: *Pisces* 12104

Check lists: *Cephalopoda* 5624

Check lists: *Euphausiidae* 5324

Check lists: *Gonostomatidae* 5013

Check lists: *Melamphidae* 5013

Check lists: *Melanostomiidae* 5013

Check lists: *Sternoptychidae* 5013

Chemical oceanography 4647

Community composition: *Pisces* 12104

Coral reefs 9736

Correlation analysis: *Pisces* 12104

Cruises 10130

Demersal fisheries Fishing mortality: *Nemipterus japonicus* 2154

Diversity index: *Pisces* 12104

Echosounding 5576

Feeding behaviour: *Thunnus albacares* 9780

Feeding behaviour: *Thunnus obesus* 9780

Fisheries regulations 12504

Fishery biology: *Upeneus moluccensis* 13809

Fishery surveys 4613

Fishery surveys: *Anguillidae* 4614

Fishery surveys: *Cephalopoda* 5624

Fishery surveys: *Engraulis japonica* 5624

Fishery surveys: *Trachurus japonicus* 5624

Gear selectivity Fishing mortality: *Nemipterus japonicus* 2154

Geochemistry 7047

Geographical distribution: *Istiophoridae* 11770

Geographical distribution: *Thunnus albacares* 12437

Geographical distribution: *Upeneus moluccensis* 13809

Ichthyoplankton 5622

Invertebrate larvae 5324

Larvae: *Anguilla japonica* 5014

Larvae: *Anguillidae* 5621

Larvae: *Istiophoridae* 11770

Larvae: *Myctophidae* 5325

Legislation: *Pisces* 12504

Morphology (organisms): *Anchistius miersi* 2674

Nerves: *Pholidichthys leucotaenia* 11765

New species: *Benthodesmus neglectus* 11745

New species: *Portunus suborbicularis* 2699

New species: *Thalamita holthuisi* 2699

New species: *Thalamita koepangensis* 2699

New species: *Thalamita platypenis* 2699

Oceanographic data 4648

Oil pollution 5457

Ooze 7047

Physical oceanography 4647

Plankton: *Copepoda* 5324

Plankton: *Euphausiidae* 5324

Poisonous organisms Toxicity: *Pisces* 2206

Population parameters: *Upeneus moluccensis* 13809

Population structure: *Thunnus albacares* 9780

Population structure: *Thunnus obesus* 9780

Resource management: *Pisces* 12504

Sampling (biological) 4651

Sediment analysis 7047

Skeleton: *Pholidichthys leucotaenia* 11765
 Surveys 5623
 Surveys: *Myctophidae* 5325
 Taxonomy: *Benthodesmus suluiensis* 11745
 Taxonomy: *Istiophoridae* 11770
 Taxonomy: *Pholidichthys leucotaenia* 11765
 Taxonomy Morphology (organisms) Meristic counts:
Margrethia obtusirostra 11740
 Temperature effects: *Thunnus albacares* 12437
 Underwater photography 4637
 Water masses 10180
 Zooplankton 7538

ISEW, Arafura Sea,

Hosts: *Lutianus sebae* 7202
 New species: *Tetragonocephalon lutianus* 7202
 Parasites: *Tetragonocephalon lutianus* 7202

ISEW, Australia,

Growth: *Panulirus longipes cygnus* 13212
 Parasites: *Marteilia* 7462
 Parasitic diseases: *Crassostrea echinata* 7462

ISEW, Australia, Northern Territory,

Biogeography 5157
 Plankton 5157

ISEW, Australia, Queensland,

Books: *Pisces* 3627
 Fisheries regulations: *Penaeidae* 5733
 Fishery management: *Penaeus plebejus* 5646
 Geographical distribution: *Ichthyoscopus fasciatus* 5158
 Geographical distribution: *Penaeus plebejus* 7855
 Growth: *Penaeus plebejus* 7855
 Growth rate: *Penaeus plebejus* 5225
 Keys: *Callionymus* 9385
 Migrations: *Penaeus plebejus* 5166
 Migrations Tagging: *Penaeus plebejus* 344
 Morphology (organisms): *Apogon albimaculosus* 9385
 Morphology (organisms): *Callionymus russelli* 9385
 New records: *Gymnothorax reticularis* 5158
 New records: *Ophichthus evermanni* 5158
 New species: *Apogon albimaculosus* 9375
 New species: *Callionymus russelli* 9385
 New species: *Demaniac macneilli* 9288
 Nursery grounds: *Penaeus plebejus* 5165
 Oceanodromous migrations: *Penaeus plebejus* 5164
 Oil pollution: *Mylio australis* 7705
 Spawning migrations: *Penaeus plebejus* 7855
 Stock assessment: *Penaeus plebejus* 7855
 Tagging: *Penaeus plebejus* 5164
 Taxonomy: *Pisces* 3627

ISEW, Australia, Queensland, Brisbane R.,

Benthos 13363

ISEW, Australia, Queensland Great Barrier Reef,

Bioluminescence: *Bacteria* 3834
 Bioluminescence: *Coelenterata* 3834

ISEW, Australia, Queensland, Keppel Bay,

New species: *Pseudosimnia nielsenii* 11162

ISEW, Australia, Queensland, Moreton Bay,

Community composition 7564

Feeding behaviour: *Scylla serrata* 10847

Sea grass 7564

Stomach contents: *Scylla serrata* 10847

ISEW, Bismarck Archipelago,

New species: *Discotrema crinophila* 11754

ISEW, Bonin I.,

Morphology (organisms): *Pomacentrus nagasakiensis* 8348
 Taxonomy: *Pomacentrus nagasakiensis* 8348
 Topography Submarine volcanoes 1233

ISEW, Bonin Is.,

Oceanographic data Submarine data 1147
 Phytoplankton Community composition 1861
 Phytoplankton Environmental effects 1861
 Submarine volcanoes Environmental effects 2020
 Submarine volcanoes Fishing grounds 2020
 Submarine volcanoes Temperature 1234
 Submarine volcanoes Topography 1232
 Zooplankton Community composition 1860
 Zooplankton Environmental effects 1860

ISEW, Brunei,

Fishery surveys 12398

ISEW, Caroline Is.,

Current measurements 13500, 13505
 Ecology 13500, 13505
 Sewage effluents 13500, 13505
 Surveys 13500, 13505

ISEW, Caroline Is, Yap, M'it Channel,

Geographical distribution: *Lepidochelys olivacea* 2907

ISEW, Caroline Isl., Namuluk Atoll,

Biocoenoses 8481
 Ecology 8481

ISEW, Carpenteria Gulf,

Exploratory fishing: *Penaeus merguensis* 4973
 Life cycle: *Penaeus merguensis* 4973
 Shellfish catch statistics: *Penaeus merguensis* 13785
 Shellfish fisheries: *Penaeus merguensis* 13785

ISEW, China, People's Rep.,

Check lists: *Pisces* 7239
 Geographical distribution: *Pisces* 7239

ISEW, Coral Sea,

Geographical distribution: *Abudefduf starcki* 8505

ISEW, Coral Sea, South Tropical Counter Current,

Water circulation 7009

ISEW, East China Sea,

Ageing methods: *Dentex tumifrons* 10796
 Demersal fisheries 3458
 Fish catch statistics 3458
 Fish catch statistics: *Chrysophrys major* 10038
 Fish catch statistics: *Decapterus* 2159
 Fisheries statistics: *Argyrosomus nibe* 10050
 Fishery biology: *Decapterus* 2159
 Fishery biology: *Pleuronichthys cornutus* 2053
 Fishery management: *Chrysophrys major* 10038
 Fishing effort 3458
 Fishing grounds Community composition 2147
 Geographical distribution: *Sipunculoidea* 11565
 Growth: *Dentex tumifrons* 10796

Growth rate: *Argyrosomus nibe* 10050
 Larvae Morphology (organisms): *Ibacus novemdentatus* 1455
 Migrations: *Scomber japonicus* 10728
 Morphology (organisms): *Argyrosomus nibe* 10050
 Morphology (organisms): *Pseudosciaena manchurica* 1500
 Morphology (organisms): *Trichiurus lepturus* 1500
 New records: *Sipunculoidea* 11565
 New species: *Golfingia neimaniae* 11565
 New species: *Onchnesoma intermedium* 11565
 Population dynamics: *Chrysophrys major* 10038
 Population dynamics: *Pisces* 10799
 Recruitment Fisheries resources: *Taius tumifrons* 2171
 Seasonal variations: *Pisces* 10799
 Sediment analysis Chemical composition 1222
 Sediment analysis Pigments 1222
 Speciation Morphology (organisms): *Pseudosciaena* 1827
 Stock assessment: *Argyrosomus nibe* 10050
 Tagging: *Scomber japonicus* 10728
 Taxonomy: *Sipunculoidea* 11565

ISEW, Ellice Is., Funafuti Atoll,

Phosphates 2351
 Tides 2351
 Water circulation 2351
 Water mixing 2351

ISEW, Ellice Isl.,

Atolls 8033
 Coral reefs 8033
 Hurricanes 8033

ISEW, Fiji,

New species: *Corythoichthys amplexus* 9374
 Taxonomy: *Discotrema crinophila* 11754

ISEW, Great Barrier Reef,

Abundance: *Acanthaster planci* 9734
 Anatomy: *Cerithium moniliferum* 11628
 Annual variations: *Acanthaster planci* 7561
 Charting 5800
 Collections: *Nematoda* 3862
 Community composition: *Pisces* 7554
 Coral reefs: *Pisces* 7554
 Cruises 10366
 Geographical distribution: *Acanthaster planci* 7561
 Growth rate: *Tridacna crocea* 11599
 Habitat: *Paragobiodon* 11937
 Mapping 5800
 Morphology (organisms): *Quadricomoides* 10366
 New species: *Desmoscolex deconincki* 3862
 New species: *Desmoscolex granulatus* 4807
 New species: *Desmoscolex paralaevs* 4807
 New species: *Desmoscolex wax* 3862
 New species: *Quadricomoides* 10366
 New species: *Trichosphaerium platyxyrum* 11557
 Population density: *Acanthaster planci* 9735
 Population dynamics: *Acanthaster planci* 7561, 9734
 Predation: *Acanthaster planci* 6580
 Predators: *Acanthaster planci* 13510
 Remote sensing 5800
 Reproduction: *Cerithium moniliferum* 11628

Reproductive behaviour: *Paragobiodon* 11937
 Spawning: *Cerithium moniliferum* 11628
 Taxonomy: *Desmoscolex* 4807
 Terminology Cruises 10366

ISEW, Great Barrier Reef, Heron I.,

Population genetics: *Tridacna maxima* 10904

ISEW, Great Barrier Reef, Heron Reef,

Sampling (biological) 10926
 Zooplankton 10926

ISEW, Guam,

Baseline studies 12274
 Check lists: *Pisces* 2749
 Community composition 13498
 Community composition: *Pisces* 3100
 Coral reefs 12103, 13499
 Coral reefs: *Linckia* 11560
 Current measurements 12274
 Dredging 13499
 Ecosystems: *Pisces* 3100
 Environmental effects 12103, 13499
 Food composition: *Siganus spinus* 6499
 Heavy metals: *Anthozoa* 13498
 Morphology (organisms): *Linckia* 11560
 Mortality causes 12103
 New records: *Pisces* 2749
 New records: *Pseudione magna* 13147
 New records: *Zonophryxus dodecapus* 13147
 Polymorphism: *Linckia* 11560
 Sea level 12103
 Shells: *Cypraea stolidia* 2609
 Stomach contents: *Siganus spinus* 6499
 Temperature effects: *Acanthaster planci* 13498
 Thermal pollution 13498, 13499

ISEW, Guam, Piti Bay,

Coral reefs: *Porites* 13502
 Surveys 13502

Temperature effects 13502

Thermal pollution 13502

ISEW, Guam, Talofoto Bay,

Coastal zone 5133

ISEW, Guam, Toguan Bay,

Environmental effects 4404
 Ocean dumping 4404
 Sewage effluents 4404

ISEW, Guam, Tuanmokot Channel,

Environmental effects 4405
 Ocean dumping 4405
 Sewage effluents 4405
 Water circulation 4405

ISEW, Guam, Tumon Bay,

Competitive behaviour: *Pomacentrus* 10765
 Coral reefs: *Pomacentrus* 10765
 Territorial behaviour: *Pomacentrus* 10765

ISEW, Hong Kong,

Biological collections: *Bacteriastrum* 7082
 Biological collections: *Urochordata* 9450
 Boring organisms Horizontal distribution 2043
 Carcinogens: *Teleostei* 11267
 Check lists: *Penaeidae* 12896

Ectoparasites: *Archaster typicus* 10871
 Ectoparasites: *Balciis shaplandi* 10871
 Ectoparasites: *Mucronalia fulvescens* 10871
 Environmental effects 7052
 Experimental fishing 13545
 Fisheries 13536
 Fouling organisms Community composition 2042
 Horizontal distribution Littoral zone: *Cirripedia* 1612
 Hydrology 7052
 Immunology: *Crassostrea gigas* 6125
 Keys: *Penaeidae* 12896
 Marine pollution 7052
 Marine pollution: *Crassostrea gigas* 6125
 Morphology: *Penaeidae* 12896
 Morphology (organisms): *Bacteriastrum* 7082
 New records Hosts: *Echinocephalus sinensis* 1750
 Oceanographic data 7052
 Pollution control Sewage effluents 2010
 Pollution monitoring 3171
 Pollution surveys Water quality 2009
 Processing fishery products: *Teleostei* 11267
 Public health: *Teleostei* 11267
 Quality control: *Teleostei* 11267
 Resource development 13536
 Seasonal variations 7052
 Sewage 3171
 Taxonomy: *Penaeidae* 12896
 Terminology: *Bacteriastrum* 7082
 Viral diseases: *Crassostrea gigas* 6125
 Waste disposal 3171

ISEW, Hong Kong, Deep Bay,

Bioaccumulation Seasonal variations: *Crassostrea gigas* 2205
 Bioaccumulation Seasonal variations: *Salmonella anatum* 2205
 Dissolved oxygen 12582
 Environmental effects: *Crassostrea gigas* 13218
 Growth: *Crassostrea gigas* 13218
 Microorganisms 12582
 Nutrients (mineral) 12582
 Salinity 12582
 Water temperature 12582

ISEW, Hong Kong, Tolo Harbour,

Indicator organisms: *Bacteria* 1935
 Marine pollution 13432
 Microorganisms 13432
 Microorganisms Water quality 1935
 Nutrients (mineral) 13432

ISEW, Hong Kong, Tung Chung Bay,

Marine aquaculture: *Crassostrea gigas* 13740
 Shellfish culture: *Crassostrea gigas* 13740

ISEW, Indonesia,

Artisanal fishing 12312
 Check lists: *Pisces* 9528
 Freshwater aquaculture: *Pisces* 900
 Marine fisheries: *Katsuwonus pelamis* 799
 Marine fisheries: *Thunnus albacares* 799
 New species: *Gonodactylus botti* 1450

Research programmes 10031
 Shellfish catch statistics: *Penaeidae* 973
 Shellfish culture: *Squilla nepa* 2700

ISEW, Indonesia, Jakarta Bay,

Commercial fishing: *Stolephorus* 8562
 Food organisms: *Copepoda* 8562
 Growth rate: *Stolephorus* 8562
 Size distribution: *Stolephorus* 8562

ISEW, Indonesia, Jepara,

Brackishwater aquaculture: *Chanos* 3401
 Fish culture: *Chanos* 3400
 Habitat improvement: *Chanos* 3400
 Seed (aquaculture): *Chanos* 3069
 Seed (aquaculture): *Penaeidae* 3069

ISEW, Indonesia, South Kalimantan,

Artisanal fishing: *Ophioccephalus* 832

ISEW, Japan, Ogasawara Is., Futami Bay,

Phytoplankton 7521
 Primary production 7521

ISEW, Java,

Biological collections: *Siganus* 7267
 Currents 7053
 Hydrology 7053
 Meteorology 7053
 New species: *Gonodactylus botti* 4957
 New species: *Oratosquilla jakartensis* 7207
 Taxonomy: *Gonodactylus botti* 4957
 Upwelling 7053

ISEW, Java, Sunda Shelf,

Numerical analysis 7019
 Wind-driven currents 7019

ISEW, Malacca Strait,

Plankton Community composition 1839

ISEW, Malaya, Kuala Lumpur,

New records: *Stomatolepas elegans* 13146

ISEW, Malaysia,

Abundance Geographical distribution: *Oithonidae* 1611
 Bottom topography 4474, 4475
 Canned products: *Scylla serrata* 5704
 Conservation: *Dermostichelys* 11152
 Exploratory fishing 12398, 12399
 Fisheries resources 12398, 12399
 Fishery surveys 4474, 4475, 12398, 12399
 Hydrography 4474
 Osmoregulation: *Phascolosoma arcuatum* 9220
 Research programmes: *Dermostichelys* 11152
 Seaweeds 11526

Storage effects: *Scylla serrata* 5704

Ultraviolet radiation: *Algae* 11526

ISEW, Malaysia, Sarawah, Sungai Sibul estuary,

Brackishwater aquaculture Resource development:
Penaeidae 2128
 Hydrology 2128

ISEW, Marianas, Guam, Tanguisson Point,

New species: *Pomachromis guamensis* 2775

ISEW, Marianas I., Tinian I.,

Baseline studies 12273

ISEW, Marianas, Tinian Isl.,

Resource conservation 4403
Resource development 4403

ISEW, Marquesas Is.,

Taxonomy: *Mollusca* 6097

ISEW, Marshall Is.,

Check lists: *Cypraea* 2598
Current measurements 13503, 13504
Ecology 13503, 13504
Geographical distribution: *Ocypode laevis* 6427
Industrial wastes 13504
Light effects: *Pavona praelorta* 13384
Photosynthesis: *Pavona praelorta* 13384
Production (biological): *Pavona praelorta* 13384
Sewage effluents 13503, 13504
Surveys 13503, 13504

ISEW, Marshall Is., Eniwetok,

Nitrogen cycle: *Nitrobacter agilis* 2465
Reproductive behaviour: *Crenimugil crenilabis* 11791
Schooling behaviour: *Crenimugil crenilabis* 11791
Spawning: *Crenimugil crenilabis* 11791

ISEW, Marshall Is., Eniwetok Atoll,

Community composition: *Teleostei* 11733
Coral reefs: *Teleostei* 11733
Fisheries resources: *Teleostei* 11733
Habitat: *Teleostei* 11733
Population genetics: *Tridacna maxima* 10904

ISEW, Marshall Is., Kwajalein,

Check lists: *Cypraea* 2599

ISEW, Marshall Isl.,

Radioisotopes 4304

ISEW, Marshall Isl. Bikini,

Pollution monitoring: *Favites virens* 3182
Radioactive pollution: *Favites virens* 3182

ISEW, Marshall Isl., Eniwetok,

Coral reefs 4222
Organic suspended matter 4222

ISEW, Molucca Isl.,

New species: *Lamellisabella* 2848
New species: *Siboglinum* 2848
New species: *Unibrachium* 2848

ISEW, New Caledonia,

Check lists: *Nanaspidae* 3159
Check lists: *Sabellipilidae* 3159
Ecosystems: *Lichomolgidae* 3158
Ecosystems: *Nanaspidae* 3159
Ecosystems: *Sabellipilidae* 3159
Fossils: *Lyria mallicki* 6087
Fossils: *Lyria santoensis* 6087
Morphology (organisms): *Lichomolgidae* 3158
Morphology (organisms): *Nanaspidae* 3159
Morphology (organisms): *Sabellipilidae* 3159
New records: *Arctocephalus* 6417
New species: *Lyria mallicki* 6087
New species: *Lyria santoensis* 6087
New species: *Metaxymolgus echinasteris* 11669
New species: *Stellicola novaecaledoniae* 11669
New species: *Stellicola parvulipes* 11669
Phytoplankton Coral reefs 1600

ISEW, Okinawa,

Check lists: *Urochordata* 9450
Morphology (organisms) Larvae: *Anguilla japonica* 262
New species: *Urochordata* 9450
Temperature effects Vertical distribution: *Anguilla japonica* 347

ISEW, Ontong-Java Plateau,

Carbonates 10238
Echo surveys 10238
Sediments 10238

ISEW, Palau Is.,

Current measurements 13506
Ecology 13506
Sewage effluents 13506
Surveys 13506

ISEW, Palau Is., Helen Reef,

Biomass: *Tridacnidae* 12448
Population density: *Tridacnidae* 12448
Stock assessment: *Tridacnidae* 12448

ISEW, Papua New Guinea,

Fossils 4910
New records: *Gymnothorax pikei* 7371
Poisons (biological): *Crassostrea echinata* 11146
Taxonomy: *Clavocerithium taeniatum* 4910

ISEW, Papua New Guinea, Sepik R. Estuary,

New species: *Alpheus leptochelae* 2684

ISEW, Pescadores Is.,

Morphology: *Bassobythites brunswigi* 11736
New records: *Bassobythites brunswigi* 11736

ISEW, Philippine Sea,

Chemical analysis 10212
Mud 10212
Sediment analysis 10212
Sediment analysis Chemical composition 1222
Sediment analysis Pigments 1222
Sediment texture 10212
Submarine crust 4711
Submarine features 4711
Tectonics 4711

ISEW, Philippines,

Biological collections: *Majidae* 7200
Catching methods 13547
Financing 13931
Fisheries resources: *Mistichthys luzonensis* 6792
Fishery biology 13527
Fishery management 13820
Fishing gear 13529, 13547
Fishing vessels 13529
Geographical distribution: *Actinotrichia fragilis* 8514
Marine fisheries 12550, 13526, 13931
Morphology: *Beckerella scalarumosa* 9138
New records: *Majidae* 7200
New records: *Neoglyphea inopinata* 9290
New species: *Balanus tuberculatus* 1447
New species: *Beckerella scalarumosa* 9138
New species: *Neoglyphea inopinata* 6133
New species: *Tetracitella hyastina* 1447
Research programmes 13526, 13527
Research programmes: *Algae* 12733

Research programmes: *Invertebrata* 12714

Seaweed culture: *Eucheuma* 3423

Seaweeds 12733

Shellfish culture: *Mytilidae* 13706

Shellfish culture: *Mytilus smaragdinus* 12338

Taxonomy: *Beckerella scalaramosa* 9138

Taxonomy: *Majidae* 7200

ISEW, Philippines, Marinduque I.,

New species: *Pustularia maricola* 11162

ISEW, Philippines, Mindanao I.,

Morphology (organisms): *Pandaka trimaculata* 9364

ISEW, Ryu-kyu Is.,

Fins: *Parapercis* 7272

Geographical distribution: *Rhynchocinetes rigens* 7373

Morphology (organisms): *Parapercis gushikeni* 7272

New records: *Rhynchocinetes rigens* 7373

New species: *Parapercis gushikeni* 7272

ISEW, Sabah,

Fishery surveys 12398

ISEW, Sabah, Tawau,

Brackishwater aquaculture: *Crassostrea belcherii* 5609

Shellfish culture: *Crassostrea belcherii* 5609

ISEW, Sarawak,

Fishery surveys 12398

ISEW, Solomon Is.,

Aquatic plants 4773

New species: *Acetabularia haemmerlingi* 4773

ISEW, Solomon Is., Guadalcanal, Marau Sound,

Morphology (organisms): *Cypraea vitellus* 10435

ISEW, Solomon Isl.,

Geology 9068

Palaeontology: *Foraminifera* 9068

Sediment analysis: *Foraminifera* 9068

Topography 9068

ISEW, South China Sea,

Ageing methods: *Dentex tumifrons* 10796

Biological collections: *Pisces* 11737

Check lists: *Pisces* 11737

Geographical distribution: *Thunnidae* 10707

Growth: *Dentex tumifrons* 10796

Host-parasite systems Hosts: *Gazza minuta* 10367

Ichthyoplankton: *Thunnidae* 10707

New species: *Aphyonus bolini* 2791

New species: *Telegamatrix* 10367

Parasites: *Telegamatrix* 10367

ISEW, South Vietnam Rep.,

Fishery economics Pelagic fisheries 1067

Fishery surveys Stock assessment 2178

Mangrove swamps Herbicides 8791

ISEW, Sulu Sea,

Community composition: *Cyclopoida* 2932

New species: *Benthodesmus suluensis* 11745

Phytoplankton: *Bacillariophyceae* 10933

Phytoplankton: *Dinoflagellata* 10933

Seaweed culture: *Eucheuma* 12391

Taxonomy: *Benthodesmus suluensis* 11745

Vertical migrations: *Cyclopoida* 2932

ISEW, Sunda Shelf,

Fishery surveys 10031

Potential yield: *Pisces* 10031

Surveys 10031

ISEW, Taiwan,

Bottom topography 10156

Check lists: *Chaetodontidae* 12951

Check lists: *Tetraodontidae* 11751

Ecology: *Tetraodontidae* 11751

Electrophoresis: *Thunnidae* 10612

Growth Ageing methods: *Decapterus kurroides* 1701

Ichthyoplankton: *Thunnidae* 10707

Marine aquaculture 12337

Mathematical models 10157

Morphology (organisms): *Anguilla japonica* 8347

Morphology (organisms): *Tetraodontidae* 11751

Mortality causes: *Pelecypoda* 11191

Muscular system: *Thunnidae* 10612

Nutrients (mineral) 10157

Oceanographic data 10156

Oxygen consumption 10157

Pollution effects: *Pelecypoda* 11191

Proteins: *Thunnidae* 10612

Salinity 10157

Shellfish culture: *Pelecypoda* 11191

Spawning grounds: *Thunnidae* 10707

Taxonomy: *Anguilla japonica* 8347

Taxonomy: *Chaetodontidae* 12951

Terminology: *Tetraodontidae* 11751

Upwelling 10156

Water analysis (chemical) 10156

Water temperature 10156, 10157

ISEW, Taiwan, Taichung Harbour,

Mathematical models 10192

Methodology 10192

Monsoons 10192

Water waves 10192

ISEW, Thailand,

Check lists: *Algae* 7088

Geographical distribution: *Algae* 7088

ISEW, Thailand Gulf,

New records: *Soleichthys siamamakuti* 2786

New species: *Soleichthys siamamakuti* 2786

ISEW, Timor Sea,

Parasites Morphology (organisms): *Cterissa australiensis* 1761

Parasites Morphology (organisms): *Myripristis murdjan* 1761

Parasites New species: *Cterissa australiensis* 1761

Parasites New species: *Myripristis murdjan* 1761

ISEW, Timor Sea, Ashmore Reef,

Habitat: *Aipysurus* 4038

Morphology (organisms): *Aipysurus* 4038

ISEW, Truk Is., Moen,

Baseline studies 13501

Current measurements 13501

Ecology 13501

Sewage effluents 13501

Surveys 13501

ISEW, Vietnam, Rep.,

Fisheries 5775

Fishery management 5775

Israel,

Aquaculture statistics 13811

Cage culture: *Cyprinidae* 7818

Check lists: *Brachiopoda* 11538

Fish culture: *Mugilidae* 2113

Fisheries statistics 13811

Fishery technology Research institutions 6944

Morphology (organisms): *Brachiopoda* 11538

Palaeontology: *Brachiopoda* 11538

Trade Fishery products 3580

Waste disposal 3228

Water resources 3228

Israel, Ginnosar,

Fish culture: *Cyprinidae* 7819

Fish culture: *Tilapia* 7819

Israel, Inland waters,

Ecology 8753

Pollution effects 8753

Israel, Kinneret L.,

Algal blooms: *Peridinium cinctum* 1332

Artificial fecundation: *Hypophthalmichthys molitrix* 7817

Bioaccumulation: *Chlorophyta* 12075

Environmental effects: *Peridinium cinctum* 1332

Fish culture: *Hypophthalmichthys molitrix* 7817

Growth: *Hypophthalmichthys molitrix* 7817

Light penetration 8660

Phytoplankton 12075

Population dynamics: *Peridinium cinctum* 1332

Primary production: *Peridinium cinctum* 8660

Radioactive tracers: *Chlorophyta* 12075

Vertical distribution: *Peridinium cinctum* 8660

Israel, Nahal Soreq,

Check lists: *Metazoa* 4364

Indicator organisms: *Metazoa* 4364

Pollution effects: *Metazoa* 4364

Israel, Negev,

New species: *Glyptoria* 10106

New species: *Israelaria* 10106

New species: *Leioria* 10106

New species: *Psiloria* 10106

New species: *Tretiatosia* 10106

Palaeontology: *Brachiopoda* 10106

ISW,

Abundance: *Chelonidae* 2041

Abundance: *Euphausiacea* 6550

Atolls 12529

Benthos 10943

Biological oxygen demand 2345

Biology: *Chelonia* 6793

Bottom topography 10227

Brackishwater aquaculture Mangrove swamps 808

Check lists: *Majidae* 3090

Check lists Distributional charts: *Siphonophora* 2557

Cold storage Fish handling 3507

Community composition: *Euphausiacea* 6550

Community composition: *Majidae* 3090

Conservation: *Chelonidae* 2041

Conservation of natural resources: *Chelonia mydas* 6349

Coral reefs 12529

Coral reefs: *Pagurapseudidae* 11668

Cruises 6982, 11292

Cruises Biological collections 2773, 2774

Current measurements 11292

Ecology: *Sphyraenidae* 4000

Ecosystems: *Siphonophora* 4252

Feeding migrations: *Rastrelliger kanagurta* 6193

Fish catch statistics: *Physeter catodon* 10048

Fish larvae: *Lepturacanthus savala* 6232

Fisheries resources 8989

Fisheries resources: *Chelonia* 6793

Fisheries resources: *Lethrinus crocineus* 6534

Fisheries resources: *Rhincodon typus* 6792

Fisheries statistics Sampling (statistical) 983

Fishery management 6790

Fishery management Resource development 1028, 1029

Fishery oceanography 6787

Fishing grounds: *Scombridae* 6787

Food chains 12154

Geographical distribution: *Eutecosomata* 11880

Geographical distribution: *Gonostomatidae* 4073

Geographical distribution: *Istiophoridae* 11770

Geographical distribution: *Lethrinus crocineus* 6534

Geographical distribution: *Majidae* 3090

Geographical distribution: *Paracyttopsis* 11763

Geographical distribution: *Pegasus natans* 13137

Geographical distribution: *Physeter catodon* 10048

Geographical distribution: *Portunidae* 12889

Geographical distribution Resource development:

Thunnus 810

Geology: *Foraminifera* 11406

Growth rate: *Alopias vulpinus* 11906

Hydrography 11292

Keys: *Pseudochromidae* 7264

Keys: *Sphyraenidae* 4000

Keys Taxonomy: *Siphonophora* 2557

Larvae: *Istiophoridae* 11770

Larvae: *Oegopsida* 4191

Life cycle: *Euphausiacea* 6550

Life cycle: *Rastrelliger kanagurta* 6193

Light 6982

Marine aquaculture: *Chelonia mydas* 6839

Marine ecology: *Chelonia mydas* 6349

Marine ecology: *Globicephala macrorhynchus* 13068

Marine ecology: *Lethrinus crocineus* 6534

Mineral resources 8989

Morphology: *Lopadorhynchus indica* 10377

Morphology Taxonomy: *Meadia abyssale* 1499

Morphology (organisms): *Demospongia* 4071

Morphology (organisms): *Globicephala*

macrorhynchus 13068

Morphology (organisms): *Majidae* 3090

New records: *Demospongia* 4071

New records: *Pisces* 11734

New records: *Portunidae* 12889

New records: *Scolecithricella tropica* 10717

New records: *Vetoria parva* 4077

New records: *Zen itea* 11763

New records Geographical distribution: *Lembos* 212
 New species: *Barathronus macalatus* 11769
 New species: *Calidichthys inornatus* 7264
 New species: *Euclaryvarctus thiel* 1359
 New species: *Lopadorhynchus indica* 10377
 New species: *Macrolabrum* 11668
 New species: *Nybelinella brevidorsalis* 11769
 New species: *Pseudochromis dilectus* 7264
 Ocean floor 10227
 Oceanography 8989, 11373
 Physical properties 6982
 Phytoplankton: *Bacillariophyceae* 10933
 Phytoplankton: *Dinoflagellata* 10933
 Predation: *Spirula spirula* 3160
 Research programmes 3653
 Resource development: *Anguilla* 6867
 Resource development: *Chelonia mydas* 6349, 6839
 Seasonal variations: *Euthecosomata* 11880
 Seasonal variations: *Physeter catodon* 10048
 Seaweed products 6786
 Seaweeds 6786
 Sediment transport 10229
 Size distribution: *Chelonia mydas* 6349
 Stock assessment: *Dugong dugong* 13839
 Stock assessment: *Lethrinus crocineus* 6534
 Stomach contents: *Thunnus albacares* 3160
 Submarine topography 10229
 Subpopulation: *Globicephala macrorhynchus* 13068
 Symbiosis: *Siphonophora* 4252
 Tagging: *Alopias vulpinus* 11906
 Taxonomy: *Anguilliformes* 2773
 Taxonomy: *Barathronus macalatus* 11769
 Taxonomy: *Caphyra* 1437
 Taxonomy: *Chlorophthalmus bicornis* 11734
 Taxonomy: *Istiophoridae* 11770
 Taxonomy: *Lioglossina punctata* 11734
 Taxonomy: *Nybelinella brevidorsalis* 11769
 Taxonomy: *Paracyttopsis* 11763
 Taxonomy: *Percomorphi* 2774
 Taxonomy: *Portunidae* 12889
 Taxonomy: *Sphyraenidae* 4000
 Taxonomy: *Tardigrada* 1359
 Taxonomy: *Zen itea* 11763
 Taxonomy New species: *Lembos parahastatus* 212
 Taxonomy New species: *Lembos punctatus* 212
 Taxonomy Pelagic fisheries: *Scombridae* 810
 Taxonomy Morphology (organisms) Meristic counts:
 Bonapartia pedaliota 11740
 Taxonomy Morphology (organisms) Meristic counts:
 Margrethia obtusirostra 11740
 Temperature 7015
 Temperature effects: *Physeter catodon* 10048
 Terminology: *Glabella ansonae* 2615
 Terminology: *Marginella spryi* 2615
 Terminology: *Volvarina pergrandis* 2615
 Thermal stratification 11373
 Trawling: *Pisces* 11734
 Trophic levels 10943
 Turbidity 10227
 Water circulation 6787, 10227
 Water masses 10180, 11373, 11392

Water mixing 11392
 Water temperature 10227
 Wind-driven currents 7015
 Zooplankton 12154
 Zooplankton: *Oegopsida* 4191

ISW, Aden Gulf,

New species: *Strombus fasciatus* 8202
 Taxonomy Morphology (organisms): *Teleostei* 275

ISW, Africa,

New records: *Penaeidae* 11665
 New species: *Penaeopsis balssi* 11665

ISW, Agulhas Current,

Water waves 11390
 Wave gauge 11390

ISW, Aldabra Atoll,

Erosion: *Geochelone gigantea* 9798
 Habitat: *Geochelone gigantea* 9799
 Herbivores: *Geochelone gigantea* 9798, 9799
 Population control: *Geochelone gigantea* 9798
 Population density: *Geochelone gigantea* 9798, 9799
 Vegetation cover: *Geochelone gigantea* 9798, 9799

ISW, Amirantes Is.,

New species: *Syngnathus darrosanus* 9374

ISW, Andaman Is.,

New species: *Manningia andamanensis* 1047

ISW, Andaman Is., Port Blair,

New species: *Pelecypoda* 4913

ISW, Andaman Sea,

Biological collections: *Pisces* 11737
 Check lists: *Pisces* 11737

ISW, Andanam Is., Mayabunder,

Morphology: *Callogobius trifasciatus* 9370
 New species: *Callogobius trifasciatus* 9370
 Taxonomy: *Callogobius trifasciatus* 9370

ISW, Aqaba Gulf,

Aggressive behaviour Stimuli: *Amphiprion bicinctus* 369
 Avoidance behaviour: *Lovenia elongata* 11934
 Biochemistry: *Lamprometra klunzingeri* 6063
 Biota 11368
 Community composition: *Harpacticoida* 11545
 Feeding: *Lamprometra klunzingeri* 6063
 Feeding behaviour Learning behaviour: *Balistes fuscus* 1699
 Interstitial environment 11545
 Life cycle: *Lovenia elongata* 11934
 Limnology 11369
 Locomotion: *Lovenia elongata* 11934
 Microorganisms 11369
 Morphology: *Didemnum candidum* 5107
 New records: *Acanthosquilla derijardi* 2897
 Pigments: *Lamprometra klunzingeri* 6063
 Ponds 11368
 Rocks 10237
 Salt lakes 11368, 11369
 Sediment structure 10237
 Sediment structure: *Lovenia elongata* 11934
 Taxonomy: *Didemnum candidum* 5107
 Temperature effects: *Tetracrita squamosa* 9569

Vertical distribution: *Harpacticoida* 11545

Water analysis (chemical) 11369

Water temperature: *Tetracita squamosa* 9569

ISW, Aqaba Gulf, Nabq,

Evaporation 10236

Geology 10236

Ground water 10236

Hydrology 10236

ISW, Aqaba Gulf, Solar L.,

Community composition 12157

Food chains 12157

Habitat: *Cyanophyceae* 12157

Salt lakes 12157

ISW, Arabian Gulf,

New records: *Salinator fragilis* 2614

ISW, Arabian Sea,

Biological oxygen demand 2345

Community composition 7514

Cruises 4655

Dissolved oxygen 3738, 6998

Geophysics 4655

Hosts: *Sparus* 7155

Morphology (organisms): *Bathychonchoecia lacunosa* 3955

New records: *Amphisolenia bispinosa* 9131

New records: *Amphisolenia rectangulata* 9131

New species: *Atraster* 7155

New species: *Dictyota hauckiana* 10303

Oceanography 3738

pH 6998

Phytoplankton 5393, 7514, 7515

Primary production 5393

Salinity 6998

Silicon 6998

Taxonomy: *Acanthopagrus bifasciatus* 7155

Taxonomy: *Argirops spinifer* 7155

Taxonomy: *Atraster* 7155

Taxonomy: *Dictyota hauckiana* 10303

ISW, Arabian Sea, Quilon,

New species: *Holanthias perumali* 12963

ISW, Australia,

Biogeography 5157

Currents 13169

Drifters 13169

Fishery management: *Penaeidae* 5650

Invertebrate larvae: *Panulirus cygnus* 13169

Migrations: *Panulirus cygnus* 13169

Plankton 5157

Population dynamics: *Panulirus longipes* 7854

Shellfish fisheries: *Penaeus* 5650

Stock assessment: *Panulirus longipes* 7854

ISW, Australia, Brisbane R.,

Larvae: *Macrobrachium novaehollandiae* 11676

Metamorphosis: *Macrobrachium novaehollandiae* 11676

Morphology (organisms): *Macrobrachium novaehollandiae* 11676

Ontogeny: *Macrobrachium novaehollandiae* 11676

ISW, Australia, Exmouth Gulf,

Catchability: *Penaeus esculentus* 5631

ISW, Australia, Ord R.,

Sediment transport 9048

Sedimentation 9048

Tides 9048

ISW, Australia, South Australia,

New species: *Adelophyton corneum* 1302

New species: *Epiplatretus longipinnis* 1492

Shellfish fisheries: *Penaeus latisulcatus* 5564

Taxonomy: *Cryptonemiales* 1302

Taxonomy: *Littorinidae* 11615

ISW, Australia, South Australian Gulf System,

Hydraulics 7008

Water circulation 7008

ISW, Australia, Western Australia,

Annual variations: *Panulirus cygnus* 11123, 11232

Catch effort: *Penaeus latisulcatus* 13786

Economic analysis Shellfish fisheries: *Penaeidae* 1069

Eggs: *Cronia* 4920

Fisheries data: *Panulirus cygnus* 11123, 11232

Fisheries data: *Thunnus maccoyii* 4443

Fishery economics: *Panulirus cygnus* 11123, 11232

Fishing mortality: *Penaeus latisulcatus* 13786

Geographical distribution: *Octocorallia* 8136

New species: *Mopsea* 8136

New species: *Zoila perlae* 2629

Population structure: *Penaeus latisulcatus* 13786

Sea grass 7346

Tagging: *Penaeus latisulcatus* 5625, 13786

ISW, Australia, Western Australia, Cockburn Sound,

Marine ecology: *Posidonia australis* 7346

Pollution effects: *Posidonia australis* 7346

ISW, Banda Sea,

Chlorophylls 8058

Hydrology 8058

Upwelling 8058

Vertical distribution 8058

ISW, Bangladesh,

Check lists: *Mollusca* 6084

Life cycle: *Perna viridis* 9248

New species: *Raphidascaroidea blochii* 9189

Parasites: *Raphidascaroidea blochii* 9189

Taxonomy: *Pontella danae* 9286

Taxonomy: *Pontella investigatoris* 9286

ISW, Bangladesh, Bay of Bengal,

Zooplankton 7512

ISW, Bay of Bengal,

New species: *Opecoelidae* 9194

Parasites: *Opecoelidae* 9194

Shellfish fisheries Shellfish catch statistics: *Thenus orientalis* 2167

Taxonomy: *Opecoelidae* 9194

ISW, Bengal Bay,

Anatomy: *Priapulus* 8502

Deep currents 12658

Fisheries resources 12444

Geographical distribution: *Priapulus* 8502

New species: *Atrobucca trewavasae* 10576

New species: *Ilisha sirishai* 1503

Remote sensing 10182

Resource development: *Crustacea* 12444

Resource development: *Pisces* 12444

Sediment analysis 12658

Sediment transport 10182

Turbulence 12658

Water circulation 10182

ISW, Bengal Bay, Visakhapatnam,

Zooplankton 1867

ISW, Comoro Is.,

Geographical distribution: *Ziphius cavirostris* 7365

ISW, Comoro Is., Mayotte I.,

New records: *Gorgasia maculata* 5035

New records: *Xarifania hassi* 5035

Taxonomy: *Xarifania hassi* 5035

ISW, Comoro Isl.,

New records: *Gorgasia maculata* 2921

New records: *Xarifania bassi* 2921

ISW, Diego Garcia,

Geographical distribution: *Cypraea onyx* 2596

Habitat: *Cypraea onyx* 2596

ISW, Egypt, Arab Rep.,

Amino acids Seasonal variations: *Algae* 2520

ISW, Egypt, Arab.Rep.,

Coral reefs: *Avicennia marina* 12156

Habitat: *Avicennia marina* 12156

Mangrove swamps: *Avicennia marina* 12156

ISW, Egypt, Arab Rep., Bardawil Lagoon,

Biogeography: *Teleostei* 11735

Habitat: *Teleostei* 11735

Parasites: *Pisces* 12010

Salt lakes: *Teleostei* 11735

ISW, Egypt, Arab Rep., Ras Muhammad,

Community composition: *Cyanophyceae* 11442

Epiphytes: *Avicennia marina* 11442

Mangrove swamps: *Cyanophyceae* 11442

Morphology: *Cabillus anchialinae* 5034

ISW, Ethiopia,

Geographical distribution: *Copepoda* 1435

ISW, Europa I.,

Communities 5893

Meteorological data 5893

ISW, Glorieuses Is.,

Communities 5893

Water temperature 5893

ISW, Great Australian Bight,

Diversity index 12083

Feeding: *Salpa aspera* 6505

New species: *Caligus kurochikini* 2682

Parasites: *Caligus kurochikini* 2682

Phytoplankton 12083

Plankton 3071

Stomach contents: *Salpa aspera* 6505

Taxonomy: *Caligus kurochikini* 2682

ISW, Hog Island (Crozet Group),

Behaviour: *Orcinus orca* 9600

Predation: *Orcinus orca* 9600

ISW, Hong Kong,

New species: *Wattisia mossambica* 12953

ISW, India,

Abnormalities: *Sardinella* 4043

Ageing methods 9076, 9077

Air pollution 10208

Aquaculture 4487

Autecology: *Alpheus splendidus* 10483

Autecology: *Eurydice* 9272

Bathymetric charts 11215

Bioaccumulation 4320

Biomass: *Copepoda* 4193

Boring organisms: *Bivalvia* 4429

Canning Cured products: *Sardinella longiceps* 3531

Colour: *Alpheus splendidus* 10483

Community composition 4228

Coral reefs 9076, 9077

Coral reefs: *Bivalvia* 4429

Cytology: *Boergesenia foresti* 1305

Development: *Scyllarus sordidus* 3972

Ecology 4228

Exploratory fishing 11215

Feeding behaviour: *Penaeus* 4148

Fish catch statistics 4499, 501242

Fish oils Fish meal: *Sardinella longiceps* 3546

Fisheries: *Sardinella longiceps* 3375

Fisheries resources 4499, 11215

Fisheries resources: *Odontoceti* 13784

Fishery products: *Oratosquilla nepa* 4516

Fishery surveys 11215

Fishing grounds 11215

Food composition: *Penaeus* 4148

Gear selectivity Net fishing: *Penaeidae* 3383

Geographical distribution: *Bivalvia* 4429

Geographical distribution: *Copepoda* 4193

Geographical distribution: *Eurydice* 9272

Growth: *Meretrix casta* 4132

Intertidal environment 4228

Larvae: *Dehaaninus limbatus* 10492

Length-weight relationships: *Meretrix casta* 4132

Life cycle: *Dehaaninus limbatus* 10492

Marine environment: *Pisces* 9882

Marine fisheries 9963

Mercury: *Pisces* 9882

Metamorphosis: *Dehaaninus limbatus* 10492

Monsoons 10208

Morphology (organisms): *Alpheus splendidus* 10483

Morphology (organisms): *Dehaaninus limbatus* 10492

Morphology (organisms): *Siphonophora* 3866

New records: *Alpheus splendidus* 10483

New records: *Inimicus sinense* 4076

New records: *Kraemeria samoensis* 1638, 4078

New records: *Siphonophora* 3866

New species: *Dendrodoris goani* 3927

New species: *Eurydice indicis* 9272

New species: *Pronocephalidae* 9193

New species: *Pseudomonas magnesorubra* 10278

New species: *Rhynchorhamphus malabaricus* 7246

Parasites: *Chelonidae* 9193

Parasites: *Pronocephalidae* 9193

Pelagic fisheries: *Scombridae* 12408

Physical oceanography 10152

Pollution effects 4320

Potential yield: *Pisces* 501242
 Production (biological) 4228
 Proteins: *Oratosquilla nepa* 4516
 Radioactive pollution 4320
 Radioisotopes 4320
 Reproductive organs: *Sardinella* 4043
 Reproductive organs Abnormalities: *Sardinella* 1510
 Resource development: *Oratosquilla nepa* 4516
 Resource development: *Scombridae* 12408
 Resource development Fisheries: *Scombridae* 3378
 Salinity 10208
 Sediment analysis 3806
 Sediment structure 3806
 Shellfish catch statistics 4487
 Shellfish culture: *Penaeidae* 3418
 Shellfish fisheries 4487
 Taxonomy: *Pronocephalidae* 9193
 Tidal currents 3739
 Tidal currents: *Copepoda* 4193
 Trash fish Landing statistics 1034
 Trawling Exploratory fishing 3440
 Upwelling 3760
 Water analysis (chemical) 3739, 4320
 Water analysis (physical) 3739
 Whaling statistics: *Odontoceti* 13784

ISW, India, Bay of Bengal,

New species: *Atr Bucca trewavasae* 268

ISW, India, Bengal,

Geographical distribution: *Cloridopsis bengalensis* 11667
 Terminology: *Cloridopsis bengalensis* 11667
 Terminology: *Squilla bengalensis* 11667

ISW, India, Bombay,

Bioaccumulation: *Arca* 6663
 Biological oxygen demand 11043
 Marine pollution 11043
 Phosphorus 11043
 Pollution effects 6663
 Radioactive pollution 6663
 Sewage 11043

ISW, India, Cape Comorin,

Exploratory fishing Trawling: *Anchoviella* 2151
 Trawl nets: *Anchoviella* 2151

ISW, India, Cochin,

Abnormalities: *Ethusa investigatoris* 10485
 Aggregations: *Creseis acicula* 10923
 Aggregations: *Penilia avirostris* 10923
 Algal blooms: *Trichodesmium* 10923
 Experimental fishing 6809
 Exploratory fishing 6809
 Gear selectivity: *Scomberomorus commersoni* 4498
 Gillnets: *Scomberomorus commersoni* 4498
 Invertebrate larvae: *Ethusa investigatoris* 10485
 Nannoplankton 10971
 Production (biological) 10971
 Trawlers 6809
 Trawling 6809

ISW, India, Cochin Backwater,

Mud 9073
 Phosphates 9073
 Sediment analysis 9073
ISW, India, Cochin Backwaters,
 Morphology (organisms): *Acartia centrura* 6142
 New species: *Acartia bowmani* 6142
ISW, India, Ganga estuary,
 Reproduction Environmental effects: *Gobiodei* 1678
ISW, India, Goa,
 Arsenic 10170
 Crabs Commercial species 3379
 Fisheries 4451
 New species: *Acetes orientalis* 8261
 Shellfish fisheries: *Portunidae* 3379
 Water analysis (chemical) 10170
 Zooplankton 9710
ISW, India, Goa, Miramar,
 Beaches 10957
 Coastal erosion: *Macrophyta* 10957
 Erosion control: *Macrophyta* 10957
 Littoral zone: *Macrophyta* 10957
ISW, India, Gujarat,
 Demersal fisheries 4491
 Fisheries resources: *Decapoda* 12452
 Fisheries resources: *Pisces* 12452
 Oil pollution 11045
 Oils 11045
 Pelagic fisheries 4491
 Resource development Commercial fisheries 2062
 Resource management: *Decapoda* 12452
 Resource management: *Pisces* 12452
 Water analysis (chemical) 11045
ISW, India, Hooghly-Matlah Estuary,
 Brackishwater aquaculture 13696
 Fish culture 13696
 Seed (aquaculture): *Mugilidae* 13696
 Seed (aquaculture): *Penaeidae* 13696
ISW, India, Kakinada,
 Experimental fishing 13560
 Stock assessment Demersal fisheries 3432
ISW, India, Kerala,
 Coastal erosion Resource management 3358
 Fish larvae 9709
 Hosts: *Plotosus anguillaris* 12895
 Marine fisheries 12315
 New species: *Lepeophtheirus anguilli* 12895
 Parasites: *Lepeophtheirus anguilli* 12895
 Zooplankton 9709
ISW, India, Krishna R.delta,
 Boron 9074
 Sediment analysis 9074
ISW, India, Kulti Estuary,
 Eggs: *Leander styliiferus* 13604
 Eggs: *Mugil parsia* 13604
 Eggs: *Penaeus* 13604
 Seed (aquaculture) 13604
ISW, India, Madras,
 Hosts: *Invertebrata* 9646
 Parasites: *Invertebrata* 9646

ISW, India, Mandapam,

Chlorophylls 9775
 Phytoplankton 9775
 Sea grass 9775

ISW, India, Mandovi Estuary,

River discharge 10183

ISW, India, Mangalore,

Algal blooms: *Fragilaria oceanica* 10924
 Population density: *Fragilaria oceanica* 10924

ISW, India, Nagapattiran,

Microbial contamination: *Penaeidae* 13464
 Water analysis (biological) 13464

ISW, India, Okhamandal,

Juveniles Resource availability: *Mugil* 3441

ISW, India, Orissa,

Commercial fisheries Resource development 2229
 Fishery management 6880
 Marine fisheries 6880
 Stock assessment 6880

ISW, India, Palk Bay,

Chlorophylls 9774
 Primary production 9774

ISW, India, Porto Noro,

Primary production Estuaries 10965

ISW, India, Quilon,

New records: *Holanthias rhodopeplus* 12963

ISW, India, Ratnagiri,

Shrimps Fisheries 3380

ISW, India, Saurashtra,

Sediment analysis 9075
 Selenium 9075

ISW, India, Trombay,

Plutonium 3193
 Radioisotopes 3193
 Ruthenium 3207
 Water analysis (chemical) 3193, 3207

ISW, India, Visakhapatnam,

Abundance: *Corophium triaenonyx* 13179
 Biogeography: *Pelecypoda* 4913
 Environmental effects: *Corophium triaenonyx* 13179
 New species: *Pelecypoda* 4913
 Population dynamics: *Corophium triaenonyx* 13179
 Temperature effects: *Corophium triaenonyx* 13179

ISW, India, Visakhapatnam, Chipurupalle,

Abundance: *Foraminifera* 9696
 Environmental factors: *Foraminifera* 9696
 Geographical distribution: *Foraminifera* 9696
 Seasonal variations: *Foraminifera* 9696

ISW, Indian Ocean,

Annual variations: *Pteropoda* 7518
 Taxonomy: *Munida proxima* 7204

ISW, Iraq,

Fish larvae: *Hemirhamphus xanthopterus* 13134
 Juveniles: *Hemirhamphus xanthopterus* 13134
 New records: *Hemirhamphus xanthopterus* 13134
 New records: *Neophocaena phocaenoides* 13136
 New records: *Pegasus natans* 13137

ISW, Iraq, Basrah,

Biometrics: *Aspius vorax* 13314
 Host-parasite systems: *Aspius vorax*
 Contracaecum 13279
 Host-parasite systems: *Mugil hishni*
 Contracaecum 13279
 Parasites: *Aspius vorax* 13279

ISW, Iraq, Euphrat R. Estuary,

Environmental factors 4190
 Phytoplankton 4190

ISW, Iraq, Tigris R. Estuary,

Environmental factors 4190
 Phytoplankton 4190

ISW, Israel,

Coral reefs 6605
 Ecosystems 6605
 Fisheries statistics 13811
 Food composition: *Acartia negligens* 6605

ISW, Israel, Bardawil Lagoon,

Biocoenoses: *Diatomae* 7085
 Classification systems: *Diatomae* 7085
 New species: *Diatomae* 7085
 Salinity tolerance: *Diatomae* 7085
 Sediments: *Diatomae* 7085

ISW, Israel, Eilat,

Fish culture: *Sparus auratus* 13615
 Marine aquaculture: *Sparus auratus* 13615
 Mortality causes: *Pisces* 7720
 Pollution effects 7720

ISW, Jordan,

Fisheries Resource development 2274

ISW, Jordan, Aqaba,

New records: *Cypraea teres* 2595

ISW, Kenya,

Fats Biochemistry: *Porifera* 177
 New records: *Discias atlanticus* 2895
 Taxonomy: *Argathona macronema* 2666

ISW, Kiltan Atoll,

Oil pollution 11044
 Oil spills 11044
 Pollution effects 11044

ISW, Kuwait,

Check lists: *Fungi* 4743
 Communities: *Fungi* 4743
 Community composition: *Fungi* 2470
 Osmoregulation: *Fungi* 2470
 Salt marshes: *Fungi* 4743

ISW, Laccadive Sea,

Oil pollution 11044

ISW, Macarene Is., Reunion I.,

Fishery products 6889

ISW, Madagascar, Tulear,

Coral reefs: *Apogonidae* 12152
 Ecosystems: *Apogonidae* 12152
 Trophic levels: *Apogonidae* 12152

ISW, Malagasy Rep.,

Coral reefs: *Pisces* 4223
 Ecology: *Pisces* 4223

Fish catch statistics: *Scombridae* 5635
 Fisheries: *Scombridae* 5635
 Geographical distribution New records: *Brachyura* 1623
 Morphology (organisms): *Mithrodia gigas* 1344
 Shellfish fisheries 6785

ISW, Malagasy Rep., Grand Recif de Tulear,

Benthos 9737
 Community composition 9737

ISW, Malagasy Rep., Morondava,

Aggressive behaviour: *Periophthalmus sobrinus* 8551

ISW, Malagasy Rep., Nosy-Be,

Environmental effects: *Polychaeta* 7525
 Geographical distribution: *Polychaeta* 7525
 Water circulation 7525
 Zooplankton: *Polychaeta* 7525

ISW, Malagasy Rep., Tulear,

Feeding behaviour: *Culcita schmideliana* 11932

ISW, Mannar Gulf,

Geographical distribution: *Rhincodon typus* 4070
 Morphology (organisms): *Rhincodon typus* 4070
 New records: *Inimicus sinense* 1637

ISW, Mascarene Is.,

Check lists: *Madreporaria* 6577
 Coral reefs 6577
 Geomorphology 6577
 Morphology: *Chaetodon mitratus* 6224
 Taxonomy: *Chaetodon mitratus* 6224

ISW, Mascarene Is., Reunion I.,

Biological collections: *Pisces* 6185
 Community composition: *Decapoda* 6844
 Experimental fishing: *Decapoda* 6800
 Exploratory fishing: *Decapoda* 6844
 Geology 5898
 Natural resources 5777
 New records: *Decapoda* 6844
 Shellfish catch statistics: *Penaeidae* 6852
 Shellfish fisheries 6800
 Shellfish fisheries: *Penaeidae* 6852
 Traps: *Decapoda* 6800
 Vertical distribution: *Decapoda* 6844

ISW, Mascarene Isl., Reunion I.,

Geographical distribution: *Malacostraca* 2667

ISW, Mauritius,

Coral reefs 8648
 Coral reefs: *Mollusca* 6578
 Geographical distribution: *Mesoplodon densirostris* 13155
 Geology 5898
 Horizontal distribution: *Mollusca* 6578
 Ichthyology 6186
 Littoral zone: *Mollusca* 6578
 New records: *Callianassa armata* 9520
 New records: *Callianassa indica* 9520
 Sedimentology 8648
 Tropical cyclones 2411

ISW, Mozambique,

Catch effort: *Penaeidae* 11228
 New species: *Bryocladia densa* 2504
 Shellfish catch statistics: *Penaeidae* 11228

ISW, Mozambique Channel,

New species: *Terebra lilliana* 11620

ISW, Mozambique, Ilha Chiloane,

Colour: *Conus typhon* 10436
 Geographical distribution: *Conus typhon* 10436
 New species: *Conus typhon* 10436

ISW, Oman,

Check lists: *Cypraea* 2597
 Geographical distribution: *Cypraea* 2597

ISW, Pakistan,

Check lists: *Sciaenidae* 7235
 Chromosomes: *Perna viridis* 4918
 Fish catch statistics: *Sciaenidae* 13766
 Fishery surveys: *Sciaenidae* 13766
 Geographical distribution: *Sciaenidae* 7235
 Length-weight relationships: *Sciaenidae* 13766
 Life cycle: *Perna viridis* 12855
 Morphology (organisms): *Pontella danae*
ceylonica 12898
 Morphology (organisms): *Pontella investigatoris* 12898
 Morphology (organisms): *Rhaphidascarioides*
blochii 12804

New records: *Goniaulax monacantha* 335
 New records: *Goniaulax polygramma* 335
 New species: *Amphisolenia biprojecta* 9131
 New species: *Amphisolenia taylori* 9131
 New species: *Dajardinascaris ritai* 12805
 New species: *Goezia heteropneusti* 12805
 New species: *Goezia taunsa* 12805
 New species: *Helicometrina chilomyteri* 7150
 New species: *Indocucullanus calcariferi* 12805
 New species: *Indocucullanus karachii* 12805
 New species: *Rhabdochona chanawanensis* 12805
 New species: *Rhaphidascarioides blochii* 12804
 New species: *Spinitectus seenghalai* 12805
 New species: *Spirocammallanus crossorhombi* 12805
 New species: *Zeylanema barragi* 12805
 Parasites: *Helicometrina chilomyteri* 7150
 Parasites: *Rhaphidascarioides blochii* 12804
 Reproduction: *Perna viridis* 12855
 Spawning: *Perna viridis* 12855
 Spawning: *Sciaenidae* 13766
 Stock assessment: *Sciaenidae* 7235
 Taxonomy: *Pontella danae* *ceylonica* 12898
 Taxonomy: *Pontella investigatoris* 12898

ISW, Pakistan, Karachi,

Hosts: *Parastromateus niger* 9188
 Parasites: *Paradiscogaster niger* 9188
 Taxonomy: *Paradiscogaster niger* 9188

ISW, Persian Gulf,

Benthos 6983
 Check lists: *Aves* 5160
 Experimental fishing 5568
 Fisheries resources 12310
 Fishery surveys 4612, 5568
 Life cycle: *Penaeus semisulcatus* 11658
 Meteorological data 5351
 Mineralogy 4701
 Nekton 5387
 New species: *Dinoflagellata* 8103

New species: *Phthanoperidiniaceae* 8103
 Oceanographic data 5351
 Oceanography 4612
 Organic suspended matter: *Diatomaceae* 4662
 Resource development 12310
 Sampling (biological): *Halobates* 5387
 Sampling (biological): *Pisces* 5387
 Sediment analysis 4701, 6983
 Sexual maturity: *Penaeidae* 4976
 Spawning: *Penaeidae* 4976
 Surveys: *Aves* 5160
 Thermal stratification 4661
 Water temperature 4661
 Zooplankton 5351

ISW, Qatar,

Biogeography: *Echinodermata* 12512
 Fossils: *Echinodermata* 12512
 New species: *Goniocidaris noetlingi* 12512

ISW, Red Sea,

Atolls 12529
 Bibliographies 12098
 Bibliographies: *Zostera* 4755
 Bibliographies Marine ecology 1602
 Biogeography 12097
 Check lists: *Zostera* 4755
 Community composition Geographical distribution:
 Thaliacea 1656
 Coral reefs 12529
 Ecology: *Pomacentridae* 8537
 Fisheries resources 12310
 Habitat: *Caulerpa* 4069
 Heavy metals 5475
 History: *Zostera* 4755
 Keys: *Acanthopterygii* 10544
 Metals 8020
 Meteorology 5847
 Morphology: *Acanthopterygii* 10544
 Morphology (organisms): *Caulerpa* 4069
 Nitrogen cycle: *Bacteria* 12729
 Ocean floor 8020
 Oil pollution Bioaccumulation: *Invertebrata* 621
 Oil pollution Bioaccumulation: *Osteichthyes* 621
 Oil pollution Pollution effects: *Invertebrata* 621
 Oil pollution Pollution effects: *Osteichthyes* 621
 Oil pollution Toxicity: *Invertebrata* 621
 Parasites: *Tetramyxa marina* 5411
 Primary production 5475
 Production (biological) 5847
 Resource development 12310
 Salinity 5847
 Sea grass 4755
 Sediment analysis 8020, 12729
 Social behaviour: *Pomacentridae* 8537
 Strains: *Pseudomonas* 12729
 Taxonomy: *Acanthopterygii* 10544
 Terminology: *Pseudopenaeus forsskali* 6225
 Tides 5847
 Water circulation 5847
 Water temperature 5847

ISW, Red Sea, Sinai Peninsula,

New species: *Cabillus anchialinae* 6220

ISW, Saudi Arabia,

International exchange 8929
 Resource development 8929, 12310

ISW, Saya de Malha Bank,

Ciguatera: *Pisces* 6889

ISW, Seychelles,

Check lists: *Hydroidea* 9173
 Fishing vessels 9971
 Nature conservation: *Eretmochelys imbricata* 9476
 New species: *Egmundella modesta* 9173
 New species: *Hebella muscensis* 9173
 New species: *Scandia tubitheca* 9173
 Population dynamics: *Eretmochelys imbricata* 9476
 Reproduction: *Eretmochelys imbricata* 9476
 Shipbuilding 9971

ISW, Somali Dem.Rep., Sar Uanle,

Check lists: *Algae* 8503, 10721
 New records: *Algae* 8503, 10721

ISW, South Equatorial current,

Current measurements Salinity 1181

ISW, Sri Lanka,

Check lists: *Decapoda* 4224
 Coral reefs: *Decapoda* 4224
 Mangrove swamps: *Chiromanthes darwinensis* 6129
 Mangrove swamps: *Neosarmatium malabaricum* 6129
 Monsoons 8035
 Morphology (organisms): *Chiromanthes darwinensis* 6129
 Morphology (organisms): *Neosarmatium malabaricum* 6129
 New records: *Conus capitaneus* 6430
 New records: *Inimicus sinense* 4076
 New records: *Ovatipsa chinensis* 6430
 New records: *Pyramidella acus* 6430
 New records: *Varicospira cancellata* 6430
 Seasonal variations 8035
 Sedimentation 8035

ISW, Sri Lanka, Negombo Lagoon,

Feeding: *Mugil cephalus* 13642
 Fish culture: *Mugil cephalus* 13642

ISW, Suez Gulf,

Rocks 10237

ISW, Tanzania,

Check lists: *Grapsidae* 3946
 Check lists: *Ocypodidae* 3946
 Communities 7567
 Ecology 7567
 Morphology: *Krishnapsyllus furcavaricatus* 3958
 Morphology: *Kunzia bispinosa* 3958
 New records: *Cypraea becki* 2901
 New records: *Grapsidae* 3946
 New records: *Ocypodidae* 3946
 New species: *Stenopus zanzibaricus* 12894
 Research programmes Fisheries 2276
 Taxonomy: *Harpacticoida* 3958
 Taxonomy: *Stenopus zanzibaricus* 12894

ISW, Thailand,

- New species: *Rhynchorhamphus naga* 7246
 Symbiosis: *Caledoniella montrouzieri* 3151
 Symbiosis: *Gonodactylus viridis* 3151
- ISW, Tromelin I.,**
 Communities 5893
 Meteorological data 5893
- ISW, Yemen, Arab Rep.,**
 Experimental fishing 6869
 Exploratory fishing 6869, 6949
- ISW, Yemen, Arab.Rep.,**
 Exploratory fishing 10025
- ISW, Yemen, Arab Rep.,**
 Fishery surveys 6869
 Resource development 6949
- ISW, Yemen, Arab.Rep.,**
 Resource development 10025
- ISW, Yemen, Arab Rep.,**
 Stock assessment: *Crustacea* 6949
 Stock assessment: *Pisces* 6949
- Italy,**
 Biological institutions 13608
 Catching methods Computer applications 8819
 Catching methods Seasonal variations 8819
 Fish culture 13608
 Fishery management 4442
 Fishing vessels Fishing power 8814
 Freshwater aquaculture Fish culture: *Ictalurus* 910
 Geographical distribution Taxonomy:
 Echinogammarus 209
 Marine aquaculture 13608
 Meteorological data 94
 Organizations 3638
 Plankton 4194
 Pollution control Freshwater aquaculture 862
- Italy, Belluno, Pettorina,**
 Introduced species: *Collomia linearis* 7361
- Italy, Bolzano, Anterselva, Salomon's Spring,**
 Aquatic plants 9113
- Italy, Cilento,**
 Aquaculture 11170
 Resource development 11170
- Italy, Endine L.,**
 Ecology Limnology 318
- Italy, Faro L.,**
 Nutrient cycles: *Bacteria* 11346
 Sulphur: *Bacteria* 11346
 Water analysis (biological) 11346
- Italy, Forli, Inland waters,**
 Microbial contamination 1952
- Italy, Garda L.,**
 Geographical distribution: *Chondrostoma* 340
 Taxonomy: *Leuciscus souffia* 272
 Taxonomy: *Rutilus rubilio* 272
- Italy, Inland waters,**
 Chemical composition Sediment analysis 100
 Limnology Sediment analysis 100
 Morphology (organisms): *Chirocephalus sibyllae* 12878
 New records: *Leuciscus cephalus* 1619
- New species: *Chirocephalus sibyllae* 12878
 Reproductive organs: *Chirocephalus sibyllae* 12878
 Sulphides Sediment analysis 100
- Italy, Livorno,**
 Conferences 3657
- Italy, Lugano L.,**
 Hydrology 10151
 Limnology 10151
- Italy, Lungo Lagoon,**
 Brackish water 11367
 Cycles 11367
 Nutrients (mineral) 11367
 Vertical distribution 11367
- Italy, Maggiore L.,**
 Hydrology 10151
 Limnology 10151
- Zinc: *Chironomus plumosus* 6654
 Zinc: *Haplochromis burtoni* 6654
- Italy, Mantova L.,**
 Population dynamics: *Cladocera* 13327
 Seasonal variations: *Cladocera* 13327
- Italy, Martignano L.,**
 Benthos: *Chironomidae* 12090
 Horizontal distribution: *Chironomidae* 12090
 Population density: *Chironomidae* 12090
- Italy, Naples,**
 Hormones: *Rana esculenta* 11844
 Light effects: *Rana esculenta* 11844
 Spermatogenesis: *Rana esculenta* 11844
 Temperature effects: *Rana esculenta* 11844
- Italy, Pavia, Ticino R.,**
 Ecology: *Fungi* 9100
- Italy, Rome,**
 Conferences 5780, 11118, 12551, 13492
 Conferences Fisheries 2259
 Conferences Oceanographic data 2289
- Italy, Santo Parmense L.,**
 Life cycle: *Eudiaptomus intermedius* 12902
 Population dynamics: *Eudiaptomus intermedius* 12902
 Reproduction: *Eudiaptomus intermedius* 12902
- Italy, Staffora R.,**
 Freshwater ecology: *Plecoptera* 2889
 Geographical distribution: *Plecoptera* 2889
- Italy, Trasimento L.,**
 Reproduction Life cycle: *Anadonta cygnea* 1393
- Italy, Udine, Fusine L.,**
 Limnological data 52
- Italy, Venice,**
 Conferences 10128
- Italy, Venice L.,**
 Chemical pollution 3163
 Water analysis (chemical) 3163
- Ivery coast, Kossou L.,**
 Data processing Fisheries data 970
 Research programmes Fisheries data 970
 Sampling Fisheries data 970
 Surveys Fisheries data 970

Ivory Coast,

- Environmental effects: *Amphibia* 13337
 Feeds: *Tilapia nilotica* 10014
 Fish culture: *Tilapia nilotica* 10014
 Population dynamics: *Amphibia* 13337
 Seasonal variations: *Amphibia* 13337

Ivory coast,

- Sexual dimorphism: *Lates niloticus* 280

Ivory Coast,

- Stocking density: *Tilapia nilotica* 10014

Ivory Coast, Abidjan, ORSTOM Labs.,

- Laboratory equipment 10916
 Methodology 10916

Ivory Coast, Bouake,

- Artificial feeding: *Tilapia nilotica* 10015
 Artificial rearing: *Siluridae* 10011
 Electric fishing: *Clarias lazera* 10012
 Electric fishing: *Lates niloticus* 10012
 Electric fishing: *Tilapia nilotica* 10012
 Feeds: *Tilapia nilotica* 10015
 Fish culture: *Achenoglanis occidentalis* 10013
 Fish culture: *Clarias lazera* 10011
 Fish culture: *Tilapia nilotica* 10012
 Stocking density: *Achenoglanis occidentalis* 10013

Jamaica,

- Palaeontology: *Balanidae* 4175

Jamaica, Blue Mountains,

- River flow Seasonal variations 79

Jamaica, Inland waters,

- Dyes 12709
 Ground water 12709
 Hydrology 12709

Jamaica, Kingston,

- Conferences 3655

Jamaica, Red Gal Ring,

- New species: *Dictyoconus americanus* 3894
 Palaeontology: *Foraminifera* 3894
 Taxonomy: *Dictyoconus americanus* 3894

Japan,

- Animal products 1048
 Aquaculture 7889, 7935, 9994, 13273, 13590
 Artificial spawning: *Thunnidae* 879
 Artificial spawning Stocking: *Salmonidae* 2176
 Boring organisms Research programmes 2044
 Chromosomes: *Cobitis biwae* 12997
 Coastal fisheries 7782
 Conferences: *Plecoglossus altivelis* 1487
 Disease control 13273
 Diseases 13273
 Diseases: *Anguilla anguilla* 13620
 Economics: *Laminaria japonica* 7837
 Economics: *Porphyra* 7837
 Economics: *Undaria pinnatifida* 7837
 Fish culture 13596
 Fish culture: *Anguilla anguilla* 13620
 Fish culture: *Cyprinidae* 13636
 Fish culture: *Salmonidae* 13636
 Fish culture: *Seriola quinqueradiata* 13649
 Fish culture: *Sparus major* 13649

Fisheries 7935

- Fishery economics 12494
 Fishery industry 7782
 Fishery management 7782
 Fishery products 1048
 Fishery products: *Echinodermata* 3515
 Fishery products Shellfish 3515
 Fishing harbours 12494
 Fouling organisms Research programmes 2044
 Geographical distribution: *Chodatella* 6404
 Geographical distribution: *Compsopogon oishii* 5971
 Geographical distribution: *Lagerheimia* 6404
 Geographical distribution: *Paraphysomonas butcheri* 9123
 Geographical distribution: *Paraphysomonas vestita* 9123
 Geographical distribution: *Polyedriopsis* 6404
 Growth: *Anguilla anguilla* 13620
 Insecticides: *Chironomus yoshimatsui* 5541
 Marine aquaculture: *Seriola quinqueradiata* 13649, 13649
 Marine pollution 7889
 Marketing: *Pisces* 12494
 Morphology (organisms): *Cobitis biwae* 12997
 New records: *Candonocypris assimilis* 769
 New records: *Chodatella* 6404
 New records: *Chodatella quadriseta* 6404
 New records: *Heterocypris incongruens* 769
 New species: *Candelabrum brocciatum* 7078
 New species: *Paraphysomonas bandaiensis* 9123
 New species: *Paraphysomonas inconspicua* 9123
 Parasites: *Anguilla anguilla* 13620
 Pearl culture: *Hyriopsis schlegeli* 13710
 Pearl culture: *Pinctada* 13710
 Pearl culture: *Pteria penguin* 13710
 Pest control: *Chironomus yoshimatsui* 5541
 Polyploids: *Cobitis biwae* 12997
 Processing fishery products Fish catch statistics: *Theragra chalcogramma* 3490
 Processing fishery products Fishery technology 1048
 Quota regulations: *Cephalopoda* 13871
 Rearing: *Penaeus japonicus* 13712
 Rearing Aquaculture: *Seriola quinqueradiata* 903
 Research development 13590
 Resource conservation 7889
 Resource development 7889
 Sea ice 6967
 Seaweed culture 13746, 13747
 Seaweed culture: *Laminaria japonica* 7837
 Seaweed culture: *Porphyra* 7837
 Seaweed culture: *Undaria pinnatifida* 7837
 Seaweed products 1048
 Shellfish culture: *Penaeus japonicus* 13712
 Shellfish culture Methodology 920
 Stocking: *Plecoglossus altivelis* 13648
 Storms Salinity effects 1175
 Subpopulation: *Cobitis biwae* 12997
 Taxonomy: *Compsopogon oishii* 5971
 Thermal aquaculture: *Haliotis discus-hannai* 13582
 Thermal aquaculture: *Pagrosomus major* 13582
 Thermal aquaculture: *Penaeus japonicus* 13582
 Thermal aquaculture: *Seriola quinqueradiata* 13582

- Trade: *Pisces* 12494
 Trade Fishery products 3576
- Japan, Ago Bay,**
 Breeding: *Pinctada fucata* 6838
 Genetics: *Pinctada fucata* 6838
 Pearl culture: *Pinctada fucata* 6838
- Japan, Biwa L.,**
 Production (biological) Freshwater ecology 465
 Vertical distribution Environmental effects:
Bacteria 348
 Water resources Resource management 1099
- Japan, Gifu Prefecture, Neo-Nishitani R.,**
 New records: *Bufo* 6357
- Japan, Gifu Prefecture, Suimon R.,**
 Industrial wastes: *Chironomidae* 11708
 Larvae: *Chironomidae* 11708
 Larvicides: *Chironomidae* 11708
- Japan, Hiroshima, Ashida R.,**
 PCB 9855
 Pollutants 9855
 Sediment analysis 9855
 Water analysis (chemical) 9855
- Japan, Hokkaido, Inland waters,**
 Check lists 10956
- Japan, Hokkaido, Inland Waters,**
 Development: *Cottus nozawae* 9354
 Ecology: *Cottus nozawae* 9354, 9355
 Morphology (organisms): *Cottus nozawae* 9355
 Spawning: *Cottus nozawae* 9354
 Taxonomy: *Cottus nozawae* 9355
- Japan, Hokkaido, Inland waters,**
 Vertical distribution. 10956
- Japan, Hokkaido, Yurappu R.,**
 Freshwater ecology Production (biological):
Oncorhynchus 471
- Japan, Honshu, Lake Yunoko,**
 Plankton Seasonal variations 1856
- Japan, Honshu, Shimogamo Hot Spring,**
 Dissolved materials Thermal springs 1160
- Japan, Ichikawa R.,**
 Pollution effects: *Achromobacter* 2467
 Sediments 2467
 Self purification 2467
- Japan, Inland waters,**
 Check lists: *Desmidiaceae* 12750
 Geographical distribution: *Desmidiaceae* 12750
 New records: *Astasia dangeardii* 12747
 New records: *Cyclidiopsis acus* 12747
 New records: *Entosiphon obliquum* 12747
 New records: *Peranemopsis granulifera* 12747
 New records: *Urceolus cyclostomus* 12747
 New species: *Cosmarium sanukiense* 12750
 New species: *Desmidiaceae* 12750
 Production (biological) Aquatic communities 470
 Taxonomy: *Peranemopsis granulifera* 12747
- Japan, Kakogawa R.,**
 Sediments 2467
 Self purification 2467
- Japan, Kitakyushu,**
 Insecticides 5420
 Pollution monitoring 5420
- Japan, Mikata District, Inland waters,**
 Heavy metals 8691
 Pollution 8691
- Japan, Misaki,**
 Education Research institutions 3618
- Japan, Nara Prefecture, Mt.Ohdaigahara,**
 Environmental effects: *Bufo* 6357
 Larvae: *Bufo* 6357
 River flow: *Bufo* 6357
 Subpopulation: *Bufo* 6357
- Japan, Nara Prefecture, Yoshino R.,**
 Freshwater ecology Production (biological): *Pisces* 472
- Japan, Okayama Prefecture, Kojima L.,**
 Eutrophication Production (biological): *Carassius langsdorfii* 469
- Japan, Osaka,**
 Chromosomes: *Dugesia japonica* 3916
- Japan, Sapporo,**
 Life cycle: *Cordulia aenea* 370
- Japan, Seto Sea,**
 Stomach contents: *Acanthopagrus schlegelii* 5269
- Japan, Shizuoka Prefecture,**
 Production (biological) Farm ponds: *Cyprinidae* 885
- Japan, Shizuoka Prefecture, Oota R.,**
 Larvae: *Ilyoplax pusillus* 11679
 Larvae: *Scopimera globosa* 11679
 Ontogeny: *Scopimera globosa* 11679
- Japan, Suwa L.,**
 Diurnal rhythm Algal blooms: *Microcystis aeruginosa* 1670
 Freshwater ecology Production (biological) 467
- Japan, Taru R.,**
 Benthos 6575
 Seasonal variations 6575
- Japan, Tokyo,**
 Conferences 8932
 Conferences Fishery products 2282
 Oceanographic institutions 4592
- Japan, Urabandai Lake Group, Tatsu-numa L.,**
 Production (biological) Aquatic communities 468
- Japan, Yaizu,**
 Fishing harbours 13576
 Marketing: *Scombridae* 13576
- Japan, Yamanashi Prefecture,**
 Geographical distribution: *Simulidae* 6414
 New records: *Simulidae* 6414
- Japan, Yunoko L.,**
 Freshwater ecology Production (biological) 466
- Java,**
 Chromosomes: *Dugesia indonesiana* 8171
 Ground water 10245
 Population genetics: *Dugesia indonesiana* 8171
- Java, Ranu Lamongan,**

Freshwater lakes: *Limnolacarus lanæ* 9330
 Habitat: *Ceratophyllum* 9330
 New species: *Limnolacarus lanæ* 9330

Kenya,

Ecology: *Microturbellaria* 10724
 Fossils Morphology (organisms): *Ziphiidae* 1585
 Geographical distribution: *Microturbellaria* 10724
 New records: *Microturbellaria* 10724
 New species: *Macrostomum baringoense* 10386
 New species: *Macrostomum christinae* 10386
 New species: *Macrostomum coxi* 10386
 New species: *Macrostomum nairobiense* 10386
 New species: *Macrostomum reynoldsoni* 10386
 New species: *Macrostomum sinyaense* 10386
 New species: *Macrostomum thingithuense* 10386

Kenya, Baringo L.,

Morphology (organisms): *Diplotriana darnaudii* 9660
 New species: *Diplotriana darnaudii* 9660
 Parasites: *Diplotriana darnaudii* 9660

Kenya, Inland waters,

New records: *Bulinus truncatus* 13149
 New species: *Africatenua riuruae* 11569
 Polyploids: *Bulinus* 13149
 Taxonomy: *Africatenua riuruae* 11569

Kenya, Kano Plain,

Abundance: *Culicidae* 8310
 Catching methods: *Culicidae* 8310
 Population dynamics: *Anopheles gambiae* 8310
 Traps: *Culicidae* 8310

Kenya, Molo,

Conferences 8930

Kenya, Tsavo National Park, Tsavo R.,

New species: *Nauplicola kenyensis* 12792
 New species: *Paradistigmoides kenyensis* 12792
 Parasites: *Nauplicola kenyensis* 12792
 Parasites: *Paradistigmoides kenyensis* 12792

Kerguelen Is.,

Ecology Introduced species: *Salmonidae* 865

Khmer Rep., Mekong R.,

Water analysis (chemical) 2361

Korea,

Seaweed culture 13746

Korea, Rep.,

Seaweed culture 13747

Latin America,

Aquaculture 12549

Lebanon,

New species: *Echinogammarus cannubiniensis* 218
 New species: *Echinogammarus tabu* 218

Lesotho,

Anatomy: *Orthosuchus stormbergi* 4039
 Palaeontology: *Orthosuchus stormbergi* 4039

Lesser Antilles, St. Vincent,

Biogeography 11865
 Ecology 11865
 Limnology 11865

Lithosphere,

Research programmes 7046

London,

Conferences: *Crustacea* 12556
 Conferences: *Mollusca* 12556

Lybia,

Fish culture: *Catla catla* 13652
 Fish culture: *Cirrhinus mrigala* 13652
 Fish culture: *Labeo rohita* 13652

Madagascar,

Climate Surveys 1111
 Ecology Surveys 1111
 Fossils 12967
 Fossils: *Atherstonia madagascariensis* 12967
 Geography Surveys 1111
 New species: *Atherstonia madagascariensis* 12967
 Surveys Ecosystems 1111
 Taxonomy: *Rhacophoridae* 8422

Malagasy Rep., Itasy L., Mantasoa L.,

Scale reading Aging methods: *Tilapia* 373

Malagasy Rep., Nosy-Be,

Research institutions 5759

Malawi,

Diseases: *Salmo gairdneri* 10860
 Eyes: *Salmo gairdneri* 10860
 Fish culture Resource development 895

Malawi, Chilwa L.,

Succession 3146
 Vegetation cover 3146
 Vegetation cover Environmental effects 1929
 Water level 3146

Malawi, Malawi L.,

Age composition Growth: *Bagrus meridionalis* 1713
 Environmental effects: *Cichlidae* 7839
 Exploratory fishing: *Cichlidae* 7839
 Feeding behaviour: *Docinodus* 6241
 Horizontal distribution: *Cichlidae* 7839
 Seasonal variations: *Cichlidae* 7839
 Shipbuilding 6796
 Taxonomy: *Docinodus* 6241
 Vertical distribution: *Cichlidae* 7839

Malawi, Mpwapwe,

Education Fisheries 1087

Malaya, Gombak R.,

Morphology (organisms): *Laridospora appendiculata* 5956
 New species: *Condylospora spumigena* 5958
 New species: *Laridospora appendiculata* 5956
 Taxonomy: *Laridospora appendiculata* 5956

Malaya, Selangor,

Morphology: *Rana tweediei* 11839
 Terminology: *Rana tweediei* 11839

Malaysia,

New species: *Varicosporium splendens* 2505
 Pituitary gland: *Scleropages formosus* 6254
 Reproductive organs: *Scleropages formosus* 6254
 Sexual maturity: *Scleropages formosus* 6254

Malaysia, Kuala Trengganu,

Education 10019

Malaysia, Pahang,

- Taxonomy: *Rana nitida* 304
- Taxonomy: *Rana tweediei* 304

Malaysia, Penang,

- Shipbuilding 815

Maldives Isl.,

- Biological control: *Anophelina* 4420
- Biological control: *Pisces* 4420
- Feeding: *Pisces* 4420
- Predation: *Anophelina* 4420

Malta, Msida,

- Conferences 3655

Marshall Is., Bikini,

- Pollution surveys 9911
- Radioisotopes 9911

Mascarene Is., Reunion I.,

- Conferences 5777

Mauritania,

- Fish meal: *Mytilidae* 13887
- Nutritive value: *Mytilidae* 13887
- Processing fishery products: *Mytilidae* 13887

Mauritania, Nouadhibou,

- Fish culture: *Morone punctata* 13677
- Rearing: *Morone punctata* 13677

MED,

- Water analysis (chemical) 12572
- Water sampling 12572

MED, Adriatic,

- Sediment analysis 8015

MED, France, Banyuls-sur-Mer,

- Behaviour: *Blennius* 11944
- Behaviour: *Blennius rouxi* 11944

MED, Mediterranean,

- Bibliographies 12510
- Brackish water 12510
- New species: *Clavularia steveninoae* 8142

Mexico,

- Aquaculture Education 2084
- Biogeography: *Mollusca* 13954
- Biology Introduced species: *Tilapia* 913
- Fish culture 11188
- Fisheries 7780
- Fisheries Life cycle: *Macrobrachium* 2055
- Fisheries resources 7780
- Fishery industry Substantial exchange 2182
- Fishery oceanography International exchange 1100
- Freshwater aquaculture 11188
- Hybridization: *Rana berlandieri* 10665
- Mangrove swamps 2872
- Morphology: *Poeciliidae* 8350
- Morphology (organisms): *Rana magnaocularis* 10665
- New species: *Lepidophylliopsis* 13954
- New species: *Macgeopsis sonorensis* 13954
- New species: *Poeciliidae* 8350
- New species: *Rana magnaocularis* 10665
- New species Parasites: *Ascarophis ayalai Arius liropus* 1345
- Palaeontology: *Mollusca* 13954

Shellfish culture Fisheries: *Macrobrachium* 2055

- Sympatric populations: *Rana berlandieri* 10665

- Taxonomy Biology: *Tilapia* 913

Mexico, Baja California,

- New records: *Procamburus clarkii* 6145

Mexico, Coahuila, Cuatro Ciénegas,

- Speciation: *Cichlidae* 8623
- Sympatric populations: *Cichlidae* 8623

Mexico, Cuatro Ciénegas Basin,

- Genetics: *Cichlasoma* 3054
- Polymorphism: *Cichlasoma* 3054
- Speciation: *Cichlasoma* 3054

Mexico, Inland waters,

- New species: *Gambusia* 4006
- New species: *Poecilia* 4006
- New species: *Poeciliopsis* 4006

Mexico, Mazatlan, Inland waters,

- Abundance: *Anisoptera* 12925
- Geographical distribution: *Libellula gaigei* 12925
- Population dynamics: *Anisoptera* 12925
- Seasonal variations: *Anisoptera* 12925

Mexico, Morelos State, San Anton waterfall,

- New records: *Ciliata* 8515

Mexico, Oaxaca Valley,

- Agriculture 8809
- Water conservation 8809

Mexico, Patzcuaro L.,

- Fish culture: *Chirostoma* 13646
- Rearing: *Chirostoma* 13646

Mexico, Tamiahua L.,

- Fishery management: *Mugil cephalus* 8859
- Growth: *Mugil cephalus* 8859
- Total mortality: *Mugil cephalus* 8859

Mexico, Yucatan,

- Coring Fishery products 3524
- Palatability Cured products 3524

Monaco,

- Conferences 2281
- Oceanographic institutions Radioactivity 6947

Morocco,

- Check lists: *Trichoptera* 10530
- Geographical distribution: *Trichoptera* 10530
- Hosts: *Hyla meridionalis* 2891
- New records: *Polystoma gallieni* 2891
- New records: *Trichoptera* 10530
- Parasites: *Polystoma gallieni* 2891

Morocco, Ziz R.,

- New species: *Nitocrella ioneli* 3947
- Taxonomy: *Nitocrella ioneli* 3947

Mozambique, Inland waters,

- Sediment analysis 2431

Mozambique, Zambezi R.,

- Ichthyology 9335
- Limnology 9335

Nearctic Region,

- Introduced species 2880
- New species: *Acroneuria* 11713

- Parasites: *Pisces* 2880
 Reviews: *Acroneuria* 11713
 Taxonomy: *Acroneuria* 11713
- Nepal,**
 Biogeography: *Rotifera* 3861
 New record: *Oocystaenium elegans* 13139
 New species: *Scaridium bostjani* 3861
 Sampling (biological): *Rotifera* 3861
 Stock assessment: *Platanista gangetica* 13836
- Nepal, Pokhara Valley,**
 Fishing vessels 13542
 Inland fisheries 13542
 Shipbuilding 13542
- Netherlands,**
 Conferences 4528
 Freshwater ecology: *Dugesia tigrina* 6413
 New records: *Dugesia tigrina* 6413
 Pollution monitoring: *Salmo gairdneri* 4292
 Reproduction rate: *Gammarus* 6392
 Research vessels 2305, 2317
 Salinity effects: *Gammarus tigrinus* 6392
 Succession: *Dugesia tigrina* 6413
 Succession: *Gammarus tigrinus* 6392
 Zooplankton Salinity effects 1863
- Netherlands, Bilthoven,**
 Conferences 4611
- Netherlands, FlevoLand Lakes,**
 Eutrophication 11084
 Population dynamics: *Oscillatoria agardhii* 11084
- Netherlands, IJmuiden,**
 Conferences: *Clupea harengus* 3430
- Netherlands, Inland waters,**
 Conservation: *Astacus astacus* 4249
 Geographical distribution: *Orconectes limosus* 4249
 Limnological data 12711
 Plankton 12711
 Pollution effects: *Astacus astacus* 4249
 Reservoirs 12711
 Succession: *Orconectes limosus* 4249
- Netherlands, Maas R.,**
 Oil pollution 12203
 Water analysis (chemical) 12203
- Netherlands, Rhine R.,**
 Bioaccumulation: *Pisces* 11105
 Chemical composition: *Pisces* 11105
 Freshwater pollution 12203
 Freshwater pollution: *Pisces* 11105
 Oil pollution 12203
 Water analysis (chemical) 12203
- Netherlands, 't Horntje,**
 Oceanographic institutions Research programmes 2267
- Netherlands, Texel,**
 Aquariology 2140
- Netherlands, Texel, T Horntje,**
 Geographical distribution Morphology (organisms):
Chelon labrosus 1532
- Netherlands, Tienhoven,**
 Abundance 12736
- Abundance: *Algae* 12738
 Abundance: *Cladocera* 12876
 Abundance: *Diatomeae* 12737
 Channels 13121
 Check lists 13122
 Ecology 12736
 Ecology: *Cladocera* 12876
 Ecology: *Diatomeae* 12737
 Ecology: *Pisces* 13123
 Environmental effects: *Cladocera* 12876
 Habitat 13122
 Habitat: *Pisces* 13123
 Nature conservation 13121
 New records: *Paroecetis struckii* 13122
 Resource management: *Pisces* 13123
 Sampling (biological) 12736, 13122
 Sampling (biological): *Algae* 12738
 Sampling (biological): *Diatomeae* 12737
 Sampling (biological): *Pisces* 13123
 Sediment analysis 13121
 Water analysis (chemical) 12609
 Water analysis (physical) 12609
- Netherlands, Tjeukemeer,**
 Cell division: *Scenedesmus quadricauda* 12758
 Cultures: *Scenedesmus quadricauda* 12758
 Light effects: *Scenedesmus quadricauda* 12758
 Morphology (organisms): *Scenedesmus quadricauda* 12758
 Population dynamics: *Diatoma elongatum* 3037
- Netherlands, Tjeukemeer L.,**
 Community composition 13348
 Fish catch statistics Seasonal variations 2163
 Zooplankton 13348
- Netherlands, Vechten L.,**
 Chemical control 12608
 Community composition 13348
 Limnology 12608
 Seasonal variations 12608
 Water analysis (chemical) 12608
 Zooplankton 13348
- Netherlands, Veere L.,**
 Salinity effects 3077
 Zooplankton 3077
- Netherlands, Vetchen L.,**
 Ecosystems: *Ceratophyllum demersum* 13395
 Ecosystems: *Elodea canadensis* 13395
 Seasonal variations: *Ceratophyllum demersum* 13395
 Seasonal variations: *Elodea canadensis* 13395
- New Guinea,**
 Geographical distribution: *Chelodina* 13084
 Marshes: *Chelodina* 13084
 New species: *Chelodina parkeri* 13084
 Taxonomy: *Chelodina* 13084
- New Zealand,**
 Artificial fecundation: *Anguilla australis* 13619
 Artificial fecundation: *Anguilla dieffenbachii* 13619
 Bacterial diseases: *Myxosoma cerebralis* 3017
 Bibliographic information 13946
 Biogeography 6984, 7345
 Biogeography: *Insecta* 7225

- Biometrics: *Gobiomorphus* 4007
 Books: *Pisces* 6399
 Disease control 3017, 3018
 Disease control: *Pisces* 3406, 3425
 Disease control: *Salmonidae* 3404
 Diseases: *Pisces* 3017, 3018
 Diseases: *Salmonidae* 3404
 Ecology 6984
 Freshwater ecology 7345
 Freshwater ecology: *Insecta* 7225
 Geographical distribution: *Gobiomorphus* 4007
 Geographical distribution: *Parallela novae-zelandiae* 8507
 Habitat: *Bryophyta* 9539
 Hatcheries: *Salmonidae* 3404
 Horizontal distribution: *Bryophyta* 9539
 Keys: *Gobiomorphus* 4007
 Keys: *Ricciaceae* 2512
 Limnology 6984
 New records: *Ricciaceae* 2512
 New records: *Sphaeroplea* 4770
 Parasitic diseases: *Pisces* 3017
 Reproductive behaviour: *Zygoptera* 2964
 Research institutions 2278
 Sexual maturity: *Anguilla australis* 13619
 Sexual maturity: *Anguilla dieffenbachii* 13619
 Symposia: *Pisces* 2294
 Taxonomy: *Gobiomorphus* 4007
 Taxonomy: *Parallela novae-zelandiae* 8507
 Trade: *Anguillidae* 2211
 Trade Fishery products: 3577
 Vertical distribution: *Bryophyta* 9539
 Zoogeography: *Pisces* 6399
- New Zealand, Christabel L.,**
 Fishery surveys: *Salmonidae* 11201
 Limnology 11201
- New Zealand, Glentui R.,**
 Competition: *Pisces* 7441
 Food organisms: *Pisces* 7441
 Geographical distribution: *Galaxias vulgaris* 10760
 Habitat: *Galaxias vulgaris* 10760
 Marking: *Galaxias vulgaris* 10760
 Reproduction: *Galaxias vulgaris* 7287
 Reproductive organs: *Galaxias vulgaris* 7287
 Territorial behaviour: *Galaxias vulgaris* 10760
- New Zealand, Grasmere L.,**
 Ecosystems: *Bacteria* 9812
- New Zealand, Inland waters,**
 Ecosystems 9813
 Nitrates Water analysis 1170
 Seasonal variations 9813
 Trophic levels 9813
- New Zealand, Kaipara,**
 Fossils: *Cephalopoda* 13953
 Fossils: *Spirula* 13953
- New Zealand, Leith Stream,**
 New records: *Thelohania contejeani* 9662
 Parasites: *Thelohania contejeani* 9662
 Parasitic diseases: *Paranephrops zealandicus* 9662
- New Zealand, Mahinerangi L.,**
 Annual variations 6585
 Fertilizers: *Daphnia carinata* 6585
 Plankton 6585
 Primary production 6585
- New Zealand, Ngahewa L.,**
 Dystrophic lakes Limnological data 1145
- New Zealand, Ngawha Springs,**
 Mercury Precipitations (atmospheric) 1171
- New Zealand, North I., Rotorua-Taupo,**
 Geographical distribution: *Sulfolobus acidocaldarius* 9098
 New records: *Sulfolobus acidocaldarius* 9098
 Thermal springs: *Sulfolobus acidocaldarius* 9098
- New Zealand, North Island Lakes,**
 Geographical distribution: *Craspedacusta sowerbii* 7370
 New records: *Craspedacusta sowerbii* 7370
- New Zealand, Ototoa L.,**
 Plankton 9713
 Seasonal variations 9713
- New Zealand, Ototoa L.,**
 Thermal stratification Water analysis (chemical) 1169
- New Zealand, Rotoiti L.,**
 Sediment analysis 9078
- New Zealand, Rotorua L.,**
 Sediment analysis 9078
- New Zealand, Rotorua L.,**
 Biomass 9090
 Collecting devices 9090
 Sampling (biological) 9090
- New Zealand, Runaway Cape,**
 Fossils: *Foraminifera* 13952
- New Zealand, South I.,**
 Freshwater ecology: *Zelandopsycha ingens* 13120
- New Zealand, Taitai Mt.,**
 Community composition: *Dinoflagellata* 13951
 Fossils: *Dinoflagellata* 13951
- New Zealand, Waikato R.,**
 Pollution effects 11106
 Thermal pollution 11106
- New Zealand, Wainui Valley Stream,**
 Feeding: *Trichoptera* 4141
 Food composition: *Trichoptera* 4141
 Larvae: *Trichoptera* 4141
- New Zealand, Wakatipu L.,**
 Water level Seasonal variations 1199
- Nicaragua,**
 Fishery economics 2218
 Terminology: *Cichlasoma bouchellei* 6208
 Trade 2218
- Nicaragua, Nicaragua L.,**
 Fishery surveys 5620
- Nicobar Isl.,**
 Morphology (organisms): *Macrobrachium* 2680
 New records: *Macrobrachium* 2680
- Niger,**
 Resource management 2266

Nigeria,

- Check lists: *Blastocladiaceae* 10958
 Check lists: *Mollusca* 5765
 Community composition: *Blastocladiaceae* 10958
 Morphology (organisms): *Potamotrygon garouaensis* 6203
 Palaeontology: *Mollusca* 5765
 Resource development 10241
 Taxonomy: *Potamotrygon garouaensis* 6203
 Water resources 10241

Nigeria, Ife-Ife,

- Conferences 8990

Nigeria, Kainji L.,

- Aerial surveys 12667
 Aquariology Limnological institutions: *Pisces* 3426
 Cage culture 3408
 Catching methods 4490
 Feeding: *Citharinus* 11976
 Fish culture 3408
 Fish handling Processing fishery products 1036
 Food composition: *Citharinus* 11976
 Lake fisheries 4490
 Meristic counts: *Sierrathrissa leonensis* 9361
 Speciation: *Sierrathrissa leonensis* 9361
 Suspended matter 12667
 Taxonomy: *Sierrathrissa leonensis* 9361
 Turbidity 12667

Nigeria, Lekki Lagoon,

- Biology: *Chrysichthys walkeri* 10540
 Geographical distribution: *Chrysichthys walkeri* 10540
 Growth: *Chrysichthys walkeri* 10540
 Reproduction: *Chrysichthys walkeri* 10540

North America,

- Buoyancy: *Pisces* 8322
 Crayfishes Check lists: *Astacidae* 222
 Crayfishes Check lists: *Cambaridae* 222
 Fish culture 13662
 Hosts: *Hirudinea* 11559
 Hosts: *Mollusca* 11559
 Keys: *Hirudinea* 11559
 Swim bladder: *Pisces* 8322
 Taxonomy: *Hirudinea* 11559

Northern hemisphere oceans,

- Atmospheric pressure Distributional charts 2410

Norway,

- Acids 5422
 Biological surveys: *Mollusca* 6411
 Cage culture 13663
 Community composition Lakes 463
 Community composition Marshes 463
 Ecology Geographical distribution: *Plecoptera* 1467
 Fish culture 13663
 Fish culture: *Salmo gairdneri* 13209
 Fish culture: *Salmonidae* 9664
 Fish culture Production (biological): *Salmonidae* 3398
 Freshwater ecology: *Plecoptera* 6425
 Geographical distribution: *Mollusca* 6411
 Geographical distribution: *Phlyctidiaceae* 7076
 Geographical distribution: *Plecoptera* 6425
 Life cycle: *Cyclops scutifer* 9274

- Marking Stock assessment: *Perca fluviatilis* 1009
 New records: *Anodonta piscinalis* 6411
 New records: *Margaritifera margaritifera* 6411
 Oligotrophic lakes 2489
 Polar zones 10119
 Pollution effects 5422
 Precipitations (atmospheric) 5422
 Research institutions 10119
 Research programmes 5422
 Taxonomy: *Fungi* 7076
 Taxonomy: *Phlyctidiaceae* 7076
 Taxonomy: *Phlyctochytrium* 7076
 Trade Fishery products 3575
 Vegetation cover: *Littorelletea* 2489
 Vertical distribution: *Cyclops scutifer* 9274

Norway, Bergen,

- Conferences 3202, 3459, 3659
 Conferences: *Mammalia* 12540, 12552
 Research vessels 11304

Norway, Oslo,

- Research institutions 8925

Norway, Renaa R.,

- Reproductive behaviour Colour: *Simulium ornatum* 1696

Norway, Svalbard,

- Weather conditions 10206

Norway, Tovdal R.,

- Mortality causes: *Salmo* 12240
 pH: *Salmo* 12240
 Pollution effects: *Salmo* 12240

Norway, Trondelag,

- New records: *Piscicola geometra* 5144

Norway, Upper Romerike District,

- Freshwater ecology: *Chaoborus* 6424
 Geographical distribution: *Chaoborus* 6424

Pakistan,

- Biogeography: *Pisces* 6401
 Biology: *Cetacea* 4037
 Biology: *Platanistidae* 4037
 Check lists: *Pisces* 5010, 6401
 Check lists: *Schizothoracinae* 7236
 Conservation: *Platanista indi* 13131
 Freshwater ecology: *Pisces* 6401
 Introduced species: *Platanista indi* 13131
 New records: *Diptychus maculatus* 7236
 New species: *Datardinasaris* 7151
 New species: *Goezia* 7151
 New species: *Indocucullanus* 7151
 New species: *Rhabdochona* 7151
 New species: *Spinitectus* 7151
 New species: *Spirocamallanus* 7151
 New species: *Nematanema* 7151
 Parasites: *Nematoda* 7151
 Taxonomy: *Cetacea* 4037
 Taxonomy: *Platanistidae* 4037

Pakistan, Haro R.,

- Check lists: *Cyprinidae* 8323
 Geographical distribution: *Cyprinidae* 8323

Pakistan, Inland waters,

Check lists: *Schizothoracinae* 12966
 New records: *Diptychus maculatus* 12966

Pakistan, Kinjher L.,

Population dynamics: *Diaptomus dorsalis* 13358
 Seasonal variations: *Diaptomus dorsalis* 13358
 Zooplankton 13358

Pakistan, Kohat,

Biogeography 8510
 Biological collections: *Pisces* 8510
 Geographical distribution: *Pisces* 8510
 Taxonomy: *Pisces* 8510

Pakistan, Lahore, Inland waters,

Life cycle: *Echinostoma lahorensis* 12803
 Life cycle: *Ganeo micracetabulus* 12802
 New species: *Echinostoma lahorensis* 12803
 New species: *Ganeo micracetabulus* 12802
 Parasites: *Echinostoma lahorensis* 12803
 Parasites: *Ganeo micracetabulus* 12802

Palaeartic Region,

Introduced species 2880
 Parasites: *Pisces* 2880

Panama,

Preservation (fishery products) Processing fishery products 1050

Panama, Canal Zone,

Marine engineering 4392
 Taxonomy: *Terebra lingualis* 2610
 Taxonomy: *Terebra robustum* 2610
 Weeds Biological control: *Rhizictonia solani* 2027

Panama, Canal Zone, Gatun Locks,

Horizontal distribution: *Invertebrata* 5194
 Salinity effects: *Invertebrata* 5194

Panama, Canal Zone, Madden Lake,

Ecology: *Hydracarina* 1845

Panama (Rep.),

New species: *Cheirodon dialepturus* 4008
 New species: *Cheirodon mitopterus* 4008

Papua New Guinea,

Check lists: *Pisces* 8490
 Introduced species: *Pisces* 8490
 Introduced species: *Tilapia mossambica* 8490
 Water quality Dissolved materials 2360

Papua New Guinea, Wogupmeri R.,

Calcium: *Homo sapiens* 10873
 Correlation analysis: *Homo sapiens* 10873
 Public health: *Homo sapiens* 10873
 Rivers: *Homo sapiens* 10873
 Water hardness: *Homo sapiens* 10873

Peru,

Canned products: *Engraulis ringens* 11256
 Education Fisheries 1088
 Fish protein concentrate: *Engraulis ringens* 11256
 Fishery industry Resource development 3489
 Fishery products: *Engraulis ringens* 11256
 Fishery products Resource development: *Pisces* 3522
 Fishery surveys Inland fisheries 963
 International exchange 4601

International exchange Fisheries 3591

Marketing Fishery products: *Merluccius gayi* 3579

Research programmes 4601

Resource development: *Engraulis* 3496

Resource development Fishery products: *Sarda chiliensis* 3542

Philippines,

Agropisciculture: *Cyprinus carpio* 13632
 Agropisciculture: *Tilapia mossambica* 13632
 Aquaculture 12550, 13577
 Aquaculture Research institutions 2253
 Aquatic plants 12732
 Bibliographic information: *Pisces* 13870
 Biology: *Invertebrata* 12780
 Biology: *Pisces* 12936
 Brackishwater aquaculture 13579
 Cold storage 13922
 Education 13958, 13959, 13960
 Fish culture 13271, 13578, 13579, 13621, 13622
 Fish culture: *Tilapia mossambica* 13717
 Fisheries management 13819
 Fisheries statistics 13522
 Fishery economics 13522
 Fishing gear 13524
 Fishing vessels 13524
 Freshwater aquaculture 13621
 Freshwater aquaculture: *Macrobrachium* 13717
 Freshwater pollution 13427
 Hatcheries 13578
 Host-parasite systems: *Pisces Plathelminthes* 13271
 Inland fisheries 12550, 12936, 13523, 13524, 13525, 13819
 Limnology 13525
 Marine aquaculture 13730
 Nutritional requirements: *Pisces* 13622
 Parasites: *Plathelminthes* 13271
 Pond construction 13580
 Processing fishery products 13869, 13870
 Quality control 13869
 Quality control: *Pisces* 13870
 Research programmes 12732, 13523, 13525, 13577, 13579
 Research programmes: *Invertebrata* 12780
 Research programmes: *Pisces* 12936, 13622
 Resource development 13523
 Seaweed culture: *Eucheuma* 13748
 Shellfish culture 13578, 13730
 Shellfish culture: *Macrobrachium* 13717
 Shellfish culture: *Metapenaeus monoceros* 13731
 Shellfish culture: *Penaeus* 13731
 Terminology: *Pisces* 13271

Philippines, Cagayan R.,

New records: *Anguilla japonica* 328
 Rearing: *Anguilla japonica* 328

Philippines, Inland waters,

Biological control: *Ophicephalus striatus* 7483
 Feeding: *Ophicephalus striatus* 7483
 Hosts: *Ophicephalus striatus* 7483
 Parasites: *Ophicephalus striatus* 7483

Philippines, Legaspi City,

Conferences 12550

Philippines, Manila,

Conferences 12504

Education 3622

Phoenix Is., Canton I.,

Lagoons 3449

Nutrient cycles 3449

PN,

Air-water interface 12603

Bathythermographs 12603

Currents 12544

Eddies 12604

Geographical distribution: *Pagophilus**groenlandicus* 13069

Hydroacoustics 12543, 12563

New species: *Lycodes sagittarius* 2783

Oceanography 12545

Physical oceanography 12604

Research programmes 12543, 12544, 12545, 12604

Sea ice 12543, 12544, 12604

Stock assessment: *Pagophilus groenlandicus* 13069Taxonomy: *Lycodes sagittarius* 2783

Upwelling 12603

Water temperature 12603

Winds 12544

Zooplankton Vertical distribution 2939

PN, Arctic,Abundance: *Ostracoda* 11651

Air-water interface 3791

Check lists: *Ostracoda* 11651Check lists: *Tintinnida* 9196

Cruises 4636, 11314

Food composition: *Crustacea* 8687

Fouling organisms 3363

Geology 2418

Hydrodynamics 12648

Hydrography 4636

Ice 7954, 11017, 11314

Mathematical models 12648

Micro-organisms 7713

Monitoring 11314

Navigation 4636

New record: *Conchoecia skogsbergi* 11651New species: *Bathypoconchoecia arctica* 11651

Offshore technology 7953, 7954

Oil pollution 7713, 11069

Oil pollution: *Crustacea* 8687

Oil removal 11017

PCB 11103

Pesticides 11103

Plankton 11314

Pollution effects 7713, 11069

Pollution surveys 11103

Research vessels 7953, 7954

Sea ice 3791

Sedimentation 2418

Taxonomy: *Tintinnida* 9196

Wind-driven currents 12648

PNE,Breeding: *Phoca hispida* 6358**PNE, Arctic,**Life cycle: *Gammarus wilkitzkii* 2657**PNE, Beaufort Sea,**

Oil spills Arctic zone 684

Oil spills Research programmes 684

Pack ice Physics 1193

Pack ice Wind-driven currents 1193

Sea ice Physics 1193

Sea ice Wind-driven currents 1193

PNE, Canada,

Continental shelf 10223

Submarine features 10223

PNE, Canada, Devon I., Radstock Bay,

Freezing 4695

PNE, Canada, Laurentide Ice Sheet,

Climatology 7030

Ice 7030

PNE, Canada, Masset Inlet,

Tides 4690

Water mixing 4690

PNE, Canada, North West Territory,Geographical distribution: *Brachiopoda* 7924Morphology (organisms): *Brachiopoda* 11537New species: *Brachiopoda* 7924, 11537Palaeontology: *Brachiopoda* 7924, 11537**PNE, Canada, North West Territory, Barrow Strait,**

Bathymetric charts 10240

Bottom topography 10240

Geology 10240

Hydrology 10240

PNE, USA, Alaska,

Continental shelf 10223

Oil pollution Biodegradation 703, 3230

Submarine features 10223

PNW,

Fisheries resources 12526

Ice 10207

Introduced species: *Oncorhynchus gorbuscha* 7824**PNW, Arctic,**Life cycle: *Gammarus wilkitzkii* 2657

Oil spills Benthos 620

Oil spills Chemical properties 573

Oil spills Pollution effects 620

Oil spills Sea ice 573

PNW, Arctic, Mackenzie Valley,

Oil spills Plankton 619

Oil spills Pollution effects 619

Pollution effects Vegetation cover 619

PNW, Arctic, Prudhoe Bay,Oil spills Pollution effects: *Oncorhynchus gorbuscha* 618Pollution effects Life cycle: *Oncorhynchus gorbuscha* 618**PNW, Barents Sea,**Abundance: *Gadus morhua* 11730Abundance: *Mallotus villosus* 11729, 11731Abundance: *Sebastes marinus* 5628

Abundance: *Sebastes mentella* 5628
 Acoustic equipment: *Gadus morhua* 11303
 Age composition: *Mallotus villosus* 11729, 11731
 Age composition: *Sebastes* 11898
 Benthos 5342, 5365, 12085
 Benthos Fjords 1894
 Biochemical cycle: *Algae* 12135
 Biogeography: *Fungi* 7381
 Chemical composition: *Fucus inflatus* 11505
 Chemical composition: *Fucus vesiculosus* 11505
 Community composition: *Lysianassidae* 5153
 Ecosystems 10984
 Ecosystems Fjords 1894
 Ecosystems Primary production 480
 Exploratory fishing 6876
 Exploratory fishing: *Pisces* 6850
 Fisheries resources: *Mallotus villosus* 11729
 Fishery surveys 3459
 Fishery surveys: *Clupea harengus* 3430
 Fishery surveys: *Mallotus villosus* 3434
 Fjords 10984
 Fjords Oceanography 480
 Geographical distribution: *Gadus morhua* 11730
 Geographical distribution: *Lysianassidae* 5153
 Geographical distribution: *Mallotus villosus* 11729, 11730, 11731
 Ichthyoplankton 5662
 Juveniles: *Sebastes marinus* 5628
 Juveniles: *Sebastes mentella* 5628
 Migrations: *Gadus morhua* 11303
 New species: *Salpingoeca minor* 9121
 Ocean floor 2425
 Organic suspended matter Amino acids 74
 Plankton 5342
 Population dynamics: *Mallotus villosus* 3434
 Population structure: *Boreogadus saida* 12019
 Population structure: *Melanogrammus aeglefinus* 12017
 Production (biological) 10984
 Salinity effects: *Fucus inflatus* 11505
 Salinity effects: *Fucus vesiculosus* 11505
 Schooling behaviour: *Mallotus villosus* 11889
 Seasonal variations: *Copepoda* 5339
 Seasonal variations: *Diatomaceae* 5339
 Sediment structure 2425
 Sex ratios: *Melanogrammus aeglefinus* 12018
 Size distribution: *Melanogrammus aeglefinus* 12016
 Sonic tags: *Gadus morhua* 11303
 Spawning migrations: *Mallotus villosus* 11730
 Stock assessment 6876
 Stock assessment: *Mallotus villosus* 11731
 Taxonomy: *Salpingoeca spinifera* 9121
 Temperature effects: *Pisces* 6876
 Vertical migrations: *Mallotus villosus* 11898
 Vertical migrations: *Sebastes* 11898
 Water level 11389
 Water temperature 5342, 5365, 11316, 11397
 Weather conditions 11397

PNW, Greenland Sea,

Bottom topography 10215
 Deep currents 10215

PNW, Kara Sea,

Community composition: *Tintinnida* 9196

PNW, Kildin I.,

Marine ecology 5848

PNW, Kildin I., Mogil'noe L.,

Acclimation: *Gadus morhua* 5848

Limnology 5848

PNW, Lomonosov Current,

Current measurements 11385

Currents Winds 91

Thermocline Salinity 1180

PNW, USSR, Siberia,

Geographical distribution: *Gnorimosphaeroma* 4085

PNW, White Sea,

Acclimation: *Portlandia arctica* 9588

Assimilation: *Mytilus edulis* 9270

Benthos 12095

Chromosomes: *Clupea harengus* 1830

Ecology: *Tintinnida* 11163

Evolution: *Invertebrata* 9094

Evolution: *Salmo salar* 9681

Marine pollution Coastal zone 2204

Microbial contamination: *Pisces* 3553

Morphology: *Gadus morhua* 7502

New species: *Pseudocella platonovae* 4844

Oogenesis: *Invertebrata* 9094

Oxygen consumption: *Copepoda* 12084

Oxygen consumption: *Sagitta elegans* 12084

Phytoplankton Primary production 1858

Polymorphism: *Salmo salar* 9681

Production (biological) Diurnal variations 1858

Proteins: *Mytilus edulis* 9270

RNA: *Mytilus edulis* 9270

Salinity effects: *Mytilus edulis* 9270

Salinity tolerance: *Hydrobia ulvae* 5204

Salinity tolerance: *Portlandia arctica* 9588

Skeleton: *Salmo salar* 9681

Sublittoral zone 12095

Subpopulation: *Gadus morhua* 7502

Taxonomy: *Pseudocella platonovae* 4844

Temperature effects: *Invertebrata* 9094

Water level 11389

Zooplankton Secondary production 1858

PNW, White Sea, Chupa Bay,

Biocoenoses: *Laminaria saccharina* 3099

Ecological distribution: *Laminaria saccharina* 3099

Poland,

Boring organisms: *Chaetophorales* 11463

Electric fishing: *Anguilla* 13550, 13551

Fish catch statistics: *Anguilla* 13822

Fisheries management: *Anguilla* 13549, 13821, 13823

Fishing gear Stock assessment 1002

Fishing mortality: *Anguilla* 13549

Food availability: *Anguilla* 13823

Food chains: *Anguilla* 13823

Freshwater ecology: *Gammarus varsovensis* 2662

Gear selectivity: *Anguilla* 13550, 13551

Gear selectivity Surrounding nets 819

Gillnets Stock assessment: *Pisces* 1001

Keys: *Hydropsyche* 2731

- Lake fisheries: *Anguilla* 13549, 13821, 13822
 Larvae: *Hydropsyche* 2731
 Microorganisms 7983
 Morphology (organisms): *Gammarus lacustris* 2662
 Morphology (organisms): *Lymnaeidae* 7177
 New species: *Candona matris* 12879
 New species: *Candona mira* 12879
 New species: *Nannocandona stygia* 12879
 Palaeontology: *Chaetophorales* 11463
 Phosphorus 7983
 Sampling (biological) Traps: *Pisces* 955
 Sediment analysis 11463
 Stock assessment Methodology: *Pisces* 1017
 Stocking: *Anguilla* 13822
 Stocking density: *Anguilla* 13822
 Surrounding nets: *Anguilla* 13551
 Taxonomy: *Hydropsyche* 2731
 Taxonomy: *Lymnaeidae* 7177
 Water management 8707
- Poland, Biata Przemsza R.,**
 Amino acids 7949
- Poland, Dead Vistula R.,**
 Detergents 9860
- Poland, Goczałkowice L.,**
 Light Water analysis (physical) 1149
- Poland, Goczałkowice Reservoir,**
 Chemical composition 6393
 Light penetration 6393
 Limnology: *Bacillariophyceae* 6393
 Phytoplankton 6393
- Poland, Gopło L.,**
 Mortality causes: *Lucioperca lucioperca* 4108
 Production (biological) 6592
- Poland, Hancza L.,**
 New record: *Cottus poecilopus* 1651
- Poland, Ilawa L.,**
 Primary production 6592
 Production (biological) 6592
- Poland, Inland waters,**
 Abundance: *Lucilia bufonivora* 4161
 Geographical distribution: *Bombina variegata* 4084
 Oxygen demand 6569
 Parasites: *Lucilia bufonivora* 4161
 Self purification 6569
 Water analysis (chemical) 6569
 Zooplankton 6569
- Poland, Jaziorak L.,**
 Benthos 3089
 Eutrophication 3089
 Littoral zone 3089
- Poland, Kortowskie L.,**
 Eutrophication 6614, 11364, 11366
 Freshwater pollution 11365
 Microorganisms 2949
 Nitrogen 11365
 Phosphorus 11366
 Plankton 6614
 Seasonal variations 11365, 11366
- Vertical distribution: *Bacteria* 2949
 Water analysis (chemical) 6614, 11364, 11365, 11366
 Water hardness 11364
- Poland, Leczna-Włodawa,**
 Ecosystems 6613
 Lakes 6613
 Trophic levels 6613
- Poland, Marozka R.,**
 Age composition: *Anguilla* 13309
 Oceanodromous migrations: *Anguilla* 13309
 Sex ratios: *Anguilla* 13309
 Size distribution: *Anguilla* 13309
- Poland, Masurian Lake District,**
 Pollution effects 6711
 Sewage effluents 6711
- Poland, Masurian Lakeland,**
 Aquatic plants: *Invertebrata* 13392
 Benthos: *Hypophthalmichthys molitrix* 6615
 Biomass: *Algae* 6615
 Community composition: *Invertebrata* 13392
 Diurnal rhythms: *Fulica atra* 6347
 Habitat: *Invertebrata* 13392
 Life cycle: *Fulica atra* 6347
 Life cycle: *Podiceps cristatus* 6348
 Population density: *Hypophthalmichthys molitrix* 6615
 Population dynamics: *Invertebrata* 13392
 Reproduction: *Fulica atra* 6347
 Survival: *Podiceps cristatus* 6348
- Poland, Mikolajki,**
 Mineral composition: *Phragmites communis* 2539
 Seasonal variations: *Phragmites communis* 2539
- Poland, Mikolajskie L.,**
 Abundance: *Invertebrata* 13364
 Algal blooms: *Ceratium hirundinella* 13409
 Aquatic plants 13393
 Benthos: *Invertebrata* 13364
 Biomass: *Algae* 6609
 Community composition: *Invertebrata* 13364, 13394
 Ecosystems 6612
 Ecosystems: *Chaoborus flavicans* 6610
 Ecosystems: *Dreissena polymorpha* 6611, 13409
 Ecosystems: *Protozoa* 6567
 Feeding: *Dreissena polymorpha* 13409
 Feeding behaviour: *Chaoborus flavicans* 6610
 Habitat 13393
 Habitat: *Invertebrata* 13393
 Littoral zone 13393
 Mortality causes: *Algae* 6609
 Phytoplankton 6609
 Pollution effects: *Bacteria* 6539
 Population density: *Dreissena polymorpha* 6611
 Population dynamics: *Bacteria* 6539
 Primary production 6612
 Primary production: *Algae* 6591, 6609
 Primary production: *Dreissena polymorpha* 13409
 Production (biological): *Invertebrata* 13364
 Seasonal variations: *Dreissena polymorpha* 6611
 Seasonal variations: *Invertebrata* 13364
 Seasonal variations: *Protozoa* 6567
 Secondary production: *Leptodora kindtii* 6610

- Sedimentation 6612
 Survival: *Invertebrata* 13393
 Water analysis (chemical) 5863
 Water analysis (physical) 5863
- Poland, Narew R. basin,**
 Fish catch statistics: *Anguilla* 13780, 13781
 Fishing effort: *Anguilla* 13781
 Inland fisheries: *Anguilla* 13780
 Seasonal variations: *Anguilla* 13781
- Poland, Narewka R.,**
 Food composition: *Neomys fodiens* 11967
- Poland, Olawa R.,**
 Cultures: *Azotobacter agilis* 2485
 Enzymes: *Azotobacter agilis* 2485
- Poland, Poznan Province, Slecinskie L.,**
 New species: *Candona slesiniaca* 10474
- Poland, Rega R.,**
 Reservoirs 10257
 Water level 10257
 Water resources 10257
- Poland, Sasak Wielki L.,**
 Gear selectivity: *Anguilla* 13310
 Size distribution Oceanodromous migrations: *Anguilla* 13310
 Surrounding nets: *Anguilla* 13310
- Poland, Smolak L.,**
 Ecosystems 6568
 Eutrophication 6593
 Fertilization 6568
 Population dynamics 6568
 Primary production 6593
 Water analysis (chemical) 6593
 Zooplankton 6568
- Poland, Sola R.,**
 Biomass: *Bacteria* 6394
 Phytoplankton 6394
 Reservoirs: *Chironomidae* 6394
 Seasonal variations: *Oligochaeta* 6394
- Poland, Sota R.,**
 Amino acids 7949
- Poland, Starodworskie L.,**
 Artificial aeration 6638
 Production (biological) 6638
 Water analysis (chemical) 6638
- Portugal, Inland waters,**
 Geographical distribution: *Lymnaea truncatula* 5150
 Population dynamics: *Lymnaea truncatula* 5150
- Portugal, Sesimbra,**
 Conferences 2293, 4610
- PS,**
 Biology: *Arctocephalus gazella* 13846
 Fecundity: *Balaenoptera* 13326
 Geographical distribution: *Arctocephalus gazella* 13846
 Isotopes 5918
 Marine ecology: *Arctocephalus gazella* 13846
 Marine ecology: *Cetacea* 13117
 Mathematical models: *Balaenoptera acutorostrata* 13832
 Meteorology 12687
 Models: *Balaenoptera borealis* 13831
 Osmoregulation: *Invertebrata* 12724
 Osmoregulation: *Pisces* 12724, 12724
 Population dynamics: *Balaenoptera* 13326
 Respiration: *Invertebrata* 12724
 Reviews: *Balaenoptera acutorostrata* 13832
 Reviews: *Balaenoptera borealis* 13831
 Sexual maturity: *Balaenoptera* 13326
 Sexual reproduction: *Balaenoptera* 13326
 Stock assessment: *Arctocephalus gazella* 13846
 Stock assessment: *Balaenoptera acutorostrata* 13832
 Stock assessment: *Balaenoptera borealis* 13831
 Sulphur: *Bacteria* 5918
 Temperature effects: *Bacteria* 5918
 Yield predictions: *Balaenoptera acutorostrata* 13832
 Yield predictions: *Balaenoptera borealis* 13831
- PS, Antarctic Circumpolar Current,**
 Phosphorus 2349
 Silicon 2349
- PS, Antarctic Ocean,**
 Anatomy: *Balaenoptera bonaerensis* 9473
 Bibliographies 5154
 Biological collections: *Pisces* 11772
 Biology: *Euphausia superba* 3369
 Biometrics: *Chaenocephalus aceratus* 10606
 Blood: *Trematomus borchgrevinski* 7313
 Fisheries: *Euphausia superba* 3369
 Fisheries resources: *Pisces* 5154
 Fishing grounds: *Euphausia superba* 3369
 Geographical distribution: *Orcinus orca* 9457
 Hydrography 5881
 Keys: *Notothenia phocae* 11772
 Keys: *Sphyræna* 11772
 Krill 3369
 Morphology (organisms): *Ampelisca* 9277
 Morphology (organisms): *Bryozoa* 6018
 Morphology (organisms): *Neotanaidae* 6152
 Mortality causes: *Orcinus orca* 9457
 New records: *Ampelisca bouvieri* 9277
 New species: *Ampelisca anversensis* 9277
 New species: *Ampelisca richardsoni* 9277
 Oceanography 5881
 Respiration: *Chaenocephalus aceratus* 10606
 Skeleton: *Balaenoptera acutorostrata* 9468
 Taxonomy: *Ampelisca* 9277
 Taxonomy: *Balaenoptera acutorostrata* 9468, 9473
 Taxonomy: *Balaenoptera bonaerensis* 9473
 Taxonomy: *Notothenia phocae* 11772
 Taxonomy: *Sphyræna* 11772
 Water temperature: *Trematomus borchgrevinski* 7313
- PS, Antarctica,**
 Air-water interface 3791
 Bathymetric charts 5909
 Benthos Biogeography: *Foraminifera* 1613
 Biological collections: *Ostracoda* 3962
 Cruises Research programmes 1113
 Excretion: *Algae* 5855
 Fisheries: *Dissostichus mawsoni* 9342
 Fishery biology: *Dissostichus mawsoni* 9342
 Freezing: *Colossendeis* 9576
 Freezing: *Glyptonotus antarcticus* 9576

Freezing: *Linacina* 9576
 Freezing: *Odontaster validus* 9576
 Freezing: *Orchomene plebs* 9576
 Freezing: *Rhincalanus gigas* 9576
 Freezing: *Sterechinus* 9576
 Freezing: *Trematomus bernacchi* 9576, 9576
 Geographical distribution: *Ostracoda* 3962
 Morphology (organisms): *Ostracoda* 3962
 New species: *Ostracoda* 3962
 Photosynthesis: *Algae* 5855
 Population dynamics 5640
 Sea ice 3791
 Water analysis (chemical) 5855
 Whaling statistics 5640

PS, Antarctica, Marion Is.,
 New records: *Antarcticobdella crozetensis* 8504
 New records: *Glyptonotobdella antarctica* 8504

PS, Antarctic Ocean,
 Abundance: *Balaenoptera* 9547
 Cruises 9547
 Geographical distribution: *Balaenoptera* 9547

PS, Ross Sea,
 Ecosystems 3767
 Geology 11414
 Pack ice 11414
 Sea ice 3767
 Sediment analysis 11414
 Sediment structure 2432
 Tidal currents Measuring devices 1195
 Water circulation 3767

PSE,
 Allopatric populations: *Micromesistius australis* 12046
 Charts 10184
 Exploratory fishing: *Thunnus albacares* 4473
 Fishery surveys: *Thunnus albacares* 4473
 Geostrophic currents 10184
 Mineral resources Sedimentation 103
 Morphology: *Bellator grobovi* 6155
 Moulting: *Jacquiniotia edwardsii* 13808
 New species: *Bellator grobovi* 6155
 New species: *Coryphaenoides subseriulatus* 11743
 New species: *Notothenia loesha* 11767
 New species: *Notothenia tchizh* 11767
 Sexual reproduction: *Balaenoptera acutorostrata* 11848
 Subpopulation: *Micromesistius australis* 12046
 Taxonomy: *Coryphaenoides subseriulatus* 11743
 Taxonomy New species: *Pseudopallene glutus* 2736
 Taxonomy New species: *Seguapallene insignatus* 2736
 Water temperature 4666

PSE, Antarctic Ocean,
 Palaeontology: *Bacillariophyta* 5343

PSE, Antarctica, McMurdo Ice Shelf,
 Isotopes Ice 83

PSE, Australia,
 Estuaries 5916
 Fisheries: *Haliotis* 5566
 Growth: *Panulirus longipes cygnus* 13212
 Heavy metals 5916
 Morphology (organisms): *Colpomenia* 10309
 Morphology (organisms): *Paliolla cooki* 4882

Mud 5916
 New records: *Macrochaeta australiensis* 9191
 New species: *Acrocirrus aciculigerus* 9191
 New species: *Macrochaeta australiensis* 9191
 Sediment analysis 5916
 Taxonomy: *Colpomenia* 10309

PSE, Australia, Melbourne,
 Bioaccumulation: *Crassostrea* 11009
 Cadmium 11009
 Pollution 11009
 Sediment analysis 11009

PSE, Australia, New South Wales,
 Absorption 10161
 Electromagnetic radiation 10161
 Exploratory fishing 3431
 Exploratory fishing Fishery surveys 2144
 Fishery biology 3431
 Fishery economics: *Penaeidae* 5722
 Fishery management: *Metapenaeus macleayi* 5648
 Fishery management: *Penaeus plebejus* 5648
 Fishery surveys 2143
 Fishery surveys: *Aristeomorpha foliacea* 5647
 Fishery surveys: *Hymenopenaeus sibogae* 5647
 Fishery surveys: *Plesionika* 5647
 Fishery surveys Pelagic fisheries 831, 2142
 Fishing gear: *Penaeidae* 5567
 Fishing vessels: *Penaeidae* 5567
 Geographical distribution: *Palaeocyathus australis* 7152
 Geographical distribution: *Penaeus plebejus* 7855
 Growth: *Penaeus plebejus* 7855
 Horizontal distribution Introduced species: *Crassostrea gigas* 2884
 Life cycle: *Boccardia* 7461
 Life cycle: *Polydora* 7461
 Mortality causes: *Crassostrea commercialis* 7462
 New species: *Bathynomus* 4956
 New species: *Heraldia nocturna* 1523
 New species: *Lichomolgus eganae* 3951
 New species: *Rhizophyllum brachiatum* 7152
 Onshore currents 7023
 Parasites: *Crassostrea commercialis* 7461
 Parasites: *Marteilia sydneyi* 7462
 Parasitic diseases: *Crassostrea commercialis* 7462
 Sea level 7023
 Shellfish culture: *Ostreidae* 7832
 Spawning migrations: *Penaeus plebejus* 7855
 Stock assessment: *Penaeus plebejus* 7855
 Water analysis (chemical) 10161
 Water waves 4686
 Wind waves 7023

PSE, Australia, New South Wales, Botany Bay,
 Autecology: *Posidonia australis* 10702
 Autecology: *Zosteraceae* 10702
 Geographical distribution: *Posidonia australis* 10702
 Growth: *Posidonia australis* 10702
 Pollution effects: *Posidonia australis* 10702

PSE, Australia, New South Wales, Port Hacking,
 Nitrogen cycle 7000

PSE, Australia, New South Wales, Sydney,
 Anatomy: *Pyuridae* 9484

- Hermaphrodites: *Pyuridae* 9484
 Larvae: *Pyuridae* 9484
 Metamorphosis: *Pyuridae* 9484
- PSE, Australia, Sydney, Long Reef,**
 Community composition 6603
 Littoral zone 6603
 Marine parks 6603
 Nature conservation 6603
- PSE, Australia, Victoria,**
 Fisheries legislation 6915
 Fisheries regulations 6900, 6901, 6906, 6908, 6909, 6910, 6911, 6912
 Fisheries regulations: *Haliotis* 6866
 Fishery management 6900, 6902, 6903, 6904, 6906, 6908, 6910, 6915
 Fishery management: *Crustacea* 6905
 Fishery regulations 6902, 6903, 6904
 Fishery regulations: *Crustacea* 6905
 Geographical distribution: *Penaeus latissulcatus* 326
 Shellfish fisheries 6905
 Shellfish fisheries: *Haliotis* 6866
- PSE, Australia, Victoria, Port Phillip Bay,**
 Geographical distribution 9857
 Heavy metals 9857
 History 9857
 Horizontal distribution: *Callianassa* 7209
 New species: *Callianassa arenosa* 7209
 New species: *Callianassa australiensis* 7209
 New species: *Callianassa ceramica* 7209
 New species: *Callianassa limosa* 7209
 Organic suspended matter 7952
 Sediment analysis 9857
 Spectroscopic techniques 7952
- PSE, Balleny Isl.,**
 Biogeography 3103
 Upwelling 3103
- PSE, Bass Strait,**
 Demersal fisheries 3374
 Resource development 3374
- PSE, Campbell I.,**
 Community composition: *Diatomae* 8094
 Epiphytes: *Diatomae* 8094
 Epiphytes: *Tridontium tasmanicum* 8094
- PSE, Crozet Is.,**
 New species: *Endeis viridis* 11714
- PSE, Hauraki Gulf,**
 Coastal erosion Sedimentation 723
- PSE, Kerguelen Archipelago,**
 Geographical distribution: *Harpacticoida* 9279
 New species: *Harpacticoida* 9279
 Taxonomy: *Harpacticoida* 9279
- PSE, Kerguelen Is.,**
 Benthos: *Nematoda* 8641
 Feeding: *Nematoda* 8641
 New species: *Pseudosolus macquariensis* 1343
- PSE, Kerguelen Isl.,**
 Bottom topography 9003
 Currents 9003
 Water temperature 9003
- PSE, Kerguelen Isl., Betsy Cove,**
 Climate 7923
 Glaciers 7923
 Palynology 7923
 Radioactive dating 7923
- PSE, Lord Howe I.,**
 Speciation: *Pisces* 6540
- PSE, Macquarie I., Major L.,**
 Geology 12696
 Glaciers 12696
 Palaeontology 12696
 Sediment analysis 12696
- PSE, McMurdo Sound,**
 Blood: *Dissostichus mawsoni* 11820
 Blood: *Rhizophila dearborni* 11820
 Blood: *Trematomus lonnbergi* 11820
 Population dynamics: *Pinnipedia* 1818
 Respiration: *Dissostichus mawsoni* 11820
 Respiration: *Rhizophila dearborni* 11820
 Respiration: *Trematomus lonnbergi* 11820
 Sediment structure 2432
- PSE, New Zealand,**
 Abundance: *Pinnipedia* 13071
 Algal blooms: *Algae* 10292
 Algal blooms: *Aulacodiscus kittoni* 10292
 Anatomy: *Thecacera pennigera* 11618
 Baits: *Jacquintia edwardsii* 13808
 Bioaccumulation: *Mollusca* 7673
 Biogeography 7345
 Biological collections: *Chondracanthidae* 7482
 Biomass 5336
 Carrageenins: *Gigartina* 10350
 Catch effort: *Jacquintia edwardsii* 13808
 Commercial fishing Traps 2054
 Development: *Metanephrops challengeri* 8276
 Eggs: *Pisces* 2777
 Eggs Morphology (organisms): *Echiodon rendahli* 1544
 Exploratory fishing: *Scombridae* 11212
 Exploratory fishing: *Thunnus alalunga* 11213
 Fisheries resources: *Scombridae* 11212
 Fishery biology: *Nototodarus sloani* 13852
 Fishery surveys: *Scombridae* 11212
 Fossils Succession: *Foraminifera* 102
 Fouling organisms: *Thecacera pennigera* 11618
 Geographical distribution: *Chondracanthidae* 7482
 Geographical distribution: *Codium fragile* 1646
 Geographical distribution: *Golfingia improvisa* 9186
 Geographical distribution: *Pinnipedia* 13071
 Heavy metals: *Mollusca* 7673
 Keys: *Cirripedia* 9284
 Keys: *Ophichthidae* 10558
 Life cycle: *Gigartina* 10350
 Marine ecology 7345
 Mathematical models 3779, 7918
 Mercury Pollution effects: *Chrysophrys auratus* 1998
 Meristic counts: *Odacidae* 10565
 Morphology: *Odacidae* 10565
 Morphology: *Protozoa* 2570
 Morphology (organisms): *Aotea acus* 10558
 Morphology (organisms): *Calliactis conchicola* 7148

Morphology (organisms): *Chondracanthidae* 7482
 Morphology (organisms): *Cirripedia* 9284
 Morphology (organisms): *Marriotta releighana* 1519
 Morphology (organisms): *Phellia aucklandica* 7149
 New record: *Lycoteuthis diadema* 7369
 New record: *Oregoniateuthis longimanus* 7369
 New records: *Chondracanthidae* 7482
 New records Hosts: *Teredicola typicus* *Lyrodus pedicellatus* 1800
 New species: *Lichomolgium tupuhia* 1444
 New species: *Paracalliactis rosea* 7148
 New species: *Phascolion temporariae* 9186
 New species: *Phascolion tortum* 9186
 New species: *Placentophora* 10301
 New species: *Prochondracanthus platycephali* 7482
 Numerical analysis 9053
 Nursery grounds Ecosystems: *Cheilodactylus macropterus* 1900
 Nutrient cycles Production (biological): *Algae* 1917
 Palaeontology Geology 102
 Parasites: *Chondracanthidae* 7482
 Parasites Morphology (organisms): *Eimeria anguillae Anguilla australis* 1799
 Plankton New records: *Diplophos rebainsi* 1865
 Population dynamics: *Nototodarus sloani* 13852
 Sediment transport 7044
 Sedimentation 7918
 Shellfish catch statistics: *Jacquinitia edwardsii* 13808
 Shellfish fisheries: *Jacquinitia edwardsii* 13808
 Stock assessment: *Nototodarus sloani* 13852
 Taxonomy: *Congercola* 7208
 Taxonomy: *Nototodarus sloani* 13852
 Taxonomy: *Odacidae* 10565
 Taxonomy: *Odax pullus* 10565
 Taxonomy: *Oregoniateuthis longimanus* 7369
 Taxonomy: *Placentophora* 10301
 Taxonomy: *Protozoa* 2570
 Taxonomy Terminology: *Epiactis* 1358
 Temperature effects: *Odax pullus* 10565
 Terminology: *Aotea acus* 10558
 Thermoregulation: *Thunnus alalunga* 11213
 Tidal currents 9053
 Tides 3779, 7044, 7918
 Water circulation 7044

PSE, New Zealand, I.Terr., Goat Island,
 Artificial reefs Community composition 3093

PSE, New Zealand I.Terr., South I.,
 Vertical distribution: *Bivalvia* 10750

PSE, New Zealand, Kawerua,
 Check lists: *Echinodermata* 9548
 Geographical distribution: *Echinodermata* 9548
 Geographical distribution: *Grampus griseus* 9549
 Geographical distribution: *Orcinus orca* 9549

PSE, New Zealand, Leigh,
 Population density: *Bryozoa* 9619

PSE, New Zealand, Muriwai Beach,
 Population structure: *Physeter catodon* 1813

PSE, New Zealand, Open Bay I.,
 Population dynamics: *Arctocephalus forsteri* 7496

PSE, New Zealand, South Kaipara,
 Sea level Bottom topography 89

PSE, New Zealand, Tauranga,
 Fisheries 13575
 Fishery industry 13575

PSE, New Zealand, Wellington Harbour,
 Hydrology Water mixing 1246

PSE, New Zealand, White Is.,
 Check lists 9511
 Ecology 9511
 Water temperature 9511

PSE, Pukaki Rise,
 Stock assessment: *Jacquinitia edwardsii* 13808

PSE, Southern Ocean,
 Biomass 6588
 Bottom topography 5909
 Currents 9035
 Geographical distribution: *Copepoda* 10709, 10911
 Mathematical models 9035
 Microorganisms 6588
 Microorganisms Biomass 1281
 Migrations: *Copepoda* 10911
 Ocean floor 5909
 Topography 9035
 Topography Models 1228
 Zooplankton: *Copepoda* 10911

PSE, Tasman Sea,
 Buoys 12578
 Eddies 5877
 Remote sensing 12578
 Sediment analysis 7038
 Sedimentation 7038
 Temperature 9046
 Water circulation 9046

PSE, Tasmania,
 Beaches: *Globicephala* 6346
 Check lists: *Pisces* 5011
 Exploratory fishing: *Nototodarus gouldi* 11203
 Indicator organisms: *Platycephalus bassensis* 4380
 Mercury: *Platycephalus bassensis* 4380
 New records: *Globicephala* 6346
 New records: *Pseudorca crassidens* 6346
 New species: *Arnoglossus armstrongi* 5011
 New species: *Muraenichthys lingowenah* 5011
 Pollution monitoring: *Platycephalus bassensis* 4380
 Recruitment: *Jasus novaehollandiae* 1253
 Sampling (biological): *Haliotis ruber* 11234
 Size distribution: *Haliotis ruber* 11234
 Size distribution: *Jasus novaehollandiae* 1253

PSE, Tasmania, D'Entrecasteaux Channel,
 New species: *Sagitta guileri* 4843

PSW,
 Allopatric populations: *Micromesistius australis* 12046
 Bibliographies: *Euphausia superba* 8907
 Bioacoustics Guiding devices: *Pinnipedia* 3389
 Check lists: *Pisces* 11749
 Continental slope: *Pisces* 11749
 Cruises 10036
 Food organisms 8907

- Geographical distribution: *Copepoda* 10911
 Geographical distribution Morphology (organisms):
Scomberesox 253
 Horizontal distribution: *Foraminifera* 11551
 Migrations: *Copepoda* 10911
 New records: *Foraminifera* 11551
 New species: *Notothenia nybelini* 11767
 Oceanographic data 8907
 Stock assessment: *Euphausia superba* 10036
 Subpopulation: *Micromesistius australis* 12046
 Taxonomy: *Notothenia larseni* 11767
 Taxonomy: *Pisces* 11749
 Taxonomy: *Scomberesox* 253
 Zooplankton: *Copepoda* 10911
- PSW, Africa,**
 Fish catch statistics Pelagic fisheries 3463
 Geographical distribution: *Diplospinus multistriatus* 9550
 Geographical distribution: *Lepidopus caudatus* 9550
 Geographical distribution: *Paradiplospinus gracilis* 9550
 Geographical distribution: *Trichiurus lepturus* 9550
 Indicator organisms 9550
 Quota regulations: *Scomber* 3481
 Water masses 9550
- PSW, African coast,**
 Catch effort: *Merluccius* 13814
 Landing statistics: *Merluccius* 13814
- PSW, Albatross Cordillera,**
 Bottom topography 11415
 Geophysics 11415
 Marine geology 11409
 Seismic activity 11409, 11415
 Submarine volcanoes 11409
- PSW, Antarctic Convergence,**
 Phosphorus cycle 3132
- PSW, Antarctic Ocean,**
 Geographical distribution: *Diatomae* 7368
- PSW, Antarctica,**
 Dissolved oxygen 9773
 Ecology: *Corallimorpharia* 7132
 Fisheries resources: *Euphausia superba* 6847
 Fisheries statistics: *Euphausia superba* 6847
 Life cycle: *Aves* 11827
 Life cycle: *Pinnipedia* 11827
 Life cycle: *Sphenishiformes* 11827
 Morphology: *Corallimorpharia* 7132
 Oxygen consumption 9773
 Production (biological) 9773
 Research programmes: *Euphausia superba* 6847
 Research vessels 6847
- PSW, Antarctica, Greenwich Is., Bahia Chile,**
 New species: *Cellarinella laminata* 2548
- PSW, Antarctica, McMurdo Sound,**
 Benthos Community composition 1893
- PSW, Arauco G., Chililingo,**
 Epiphytes: *Macrocystis* 2945
 Vertical distribution: *Bryozoa* 2945
- PSW, Argentina,**
 Experimental fishing 6846
 Exploratory fishing 6846
 Fishery biology: *Merluccius hubbsi* 5659
 Fishery development 6789
 Fishery surveys 6846
 Fishery surveys: *Macruronus magellanicus* 13765
 Gear selectivity: *Merluccius hubbsi* 12322
 Geographical distribution Indicator organisms:
Myliobatis goodei 2883
 Geographical distribution New records: *Giffordia* 330
 History 6932
 Keys: *Chlorophyta* 3846
 Limnology 6932
 Marine aquaculture Resource development 860
 New records: *Chlorophyta* 3846
 New species Parasites: *Orbolotyle marplatensis*
Prionotus 1342
 Sex ratio: *Macruronus magellanicus* 13765
 Size distribution: *Merluccius merluccius* 6846
 Stock assessment: *Engraulis anchoita* 6789
 Stock assessment: *Macruronus magellanicus* 13765
 Stock assessment: *Merluccius merluccius* 6789
 Stock assessment: *Pisces* 6846
 Stock assessment: *Sarda sarda* 6789
 Stomach contents: *Macruronus magellanicus* 13765
 Yield: *Merluccius hubbsi* 12322
- PSW, Argentina, Buenos Aires,**
 Fats: *Mesodesma mactroides* 9265
- PSW, Argentina, Patagonia,**
 Introduced species: *Durvillea caepestipes* 929
 Marine fisheries 11157
- PSW, Argentina, Puerto Deseado,**
 Environmental effects: *Corycus lanceolatus* 11461
 Life cycle: *Corycus lanceolatus* 11461
 New record Geographical distribution: *Araphidales* 133
 Polymorphism: *Corycus lanceolatus* 11461
 Taxonomy: *Araphidales* 133
- PSW, Argentine Basin,**
 Coring 7368
 Sediment-water interface: *Diatomae* 7368
 Water masses: *Diatomae* 7368
- PSW, Atlantic-Indian Basin,**
 Hydrology 7010
 Water circulation 7010
 Water mixing 7010
- PSW, British Antarctic Territory, Seymour I.,**
 Abundance: *Antarctodarwinella* 10439
 Geographical distribution: *Antarctodarwinella* 10439
 Morphology (organisms): *Antarctodarwinella* 10439
 New species: *Antarctodarwinella elliotti* 10439
- PSW, Chile,**
 Catch statistics 7901
 Check lists: *Copepoda* 6558
 Commercial species Chemical composition: *Algae* 801
 Fecundity: *Cilus montii* 1546
 Fisheries regulations 13934
 Fishery biology: *Concholepas concholepas* 13313
 Fossils: *Venus* 6090
 Geographical distribution: *Demospongia* 8493
 Geographical distribution: *Projasus bahamondei* 6138
 Harvesting Processing fishery products: *Algae* 801

Keys: Echinoidea 6019Littoral zone: *Nematoda* 3885Morphology (organisms): *Demospongia* 8493Morphology (organisms): *Peromytilus purpuratus* 6136Nature conservation: *Lontra felina* 11153New records: *Namanareis quadraticeps* 2922New species: *Projasus bahamondei* 6138New species: *Prosobranchiata* 6089

New species Anatomy 3885

New species Morphology: *Copepoda* 1439Overfishing: *Concholepas concholepas* 13313Population parameters: *Concholepas concholepas* 13313Seasonal variations: *Copepoda* 6558

Seaweeds Harvesting 801

Size distribution: *Concholepas concholepas* 13313Spawning seasons: *Concholepas concholepas* 13313Stock assessment: *Phocoena spinipinnis* 13837Taxonomy: *Collisella* 6089Taxonomy: *Fissurella* 6089Taxonomy: *Lucapina* 6089

Taxonomy Anatomy 3885

Taxonomy New species: *Copepoda* 1439**PSW, Chile, Bay of Concepcion,**Check lists: *Decapoda* 5145Sampling (biological): *Decapoda* 5145**PSW, Chile, Chiloe, Apiao I.,**Growth: *Ostrea chilensis* 5610Mortality causes: *Ostrea chilensis* 5610Shellfish culture: *Ostrea chilensis* 5610**PSW, Chile, Chiloe I.,**Growth: *Choromytilus chorus* 2971**PSW, Chile, Concepcion Bay,**Benthos: *Echinodermata* 5129Biological collections: *Dinoflagellata* 5146Geographical distribution: *Echinodermata* 5129New records: *Dinoflagellata* 5146Sampling (biological): *Echinodermata* 5129

Sediment structure 5129

PSW, Chile, Isletilla,Growth: *Aulacomya ater* 3413Shellfish culture: *Aulacomya ater* 3413**PSW, Chile, Llico,**Ecological distribution: *Emerita analoga* 3027**PSW, Chile, Magellanic Region,**Biological collections: *Bryozoa* 4820Biological collections: *Decapoda* 5147, 5148New species: *Bryozoa* 4820**PSW, Chile, Mehuin,**Feeding behaviour: *Orchestoidea tuberculata* 6495**PSW, Chile, Mocha I.,**New species: *Daturella chilensis* 2547New species: *Daturella mochana* 2547**PSW, Chile, Quintero,**Fish catch statistics: *Cervimunida johni* 5638Fish catch statistics: *Heterocarpus reedi* 5638Fish catch statistics: *Hymenopenaeus diomedae* 5638Fish catch statistics: *Pleuroncodes monodon* 5638**PSW, Chile, Valparaiso,**Life cycle: *Littorina* 1409Sexual maturity: *Littorina* 1409**PSW, Chile, Valparaiso Bay,**Biometrics Size distribution: *Loxechinus albus* 1815Life cycle Reproduction: *Concholepas concholepas* 1408Morphology (organisms): *Chaetoderma**araucanae* 12850New species: *Chaetoderma araucanae* 12850

Phytoplankton Biomass 1877

Phytoplankton Seasonal variations 1877, 1878

PSW, Falkland Is.,

Currents 7368

PSW, Great Meteor Bank,New species: *Gyrineum atlanticum* 2621**PSW, Juan Fernandez Is.,**New species: *Chlamys phalara* 4880**PSW, Magellan Strait,**

Oil pollution 4306

Pollution effects 4306

Pollution surveys 4306

PSW, Marion I.,Biological collections: *Echinodermata* 5142**PSW, Marion Isl.,**New records: *Eubalaena australis* 4089**PSW, New Zealand,**Feeding: *Procellaria* 9635Stomach contents: *Procellaria parkinsoni* 9635**PSW, Scotia Sea,**

Bottom topography 10222

Phosphorus 2349

Phytoplankton Biomass 356

Phytoplankton Vertical distribution 356

Phytoplankton Water circulation 356

Research vessels Oceanographic data 1121

Silicon 2349

Submarine features 10222

Tectonics 10222

Temperature 3778

Tides 3778

Water mixing 3778

PSW, South Africa,Abundance: *Scylla serrata* 5305Breeding: *Scylla serrata* 5305Catch effort: *Palinurus gilchristi* 3482Check lists: *Mollusca* 6088Competition: *Patella* 13396Condition factor: *Thyrsitis atun* 4506Diving: *Physeter catodon* 11828

Fish catch statistics 3464

Fish catch statistics: *Merluccius merluccius* 4504

Fish catch statistics Processing fishery products:

Merluccius 3492Fisheries resources: *Palinurus gilchristi* 3482Fishery management: *Thyrsitis atun* 4506Gillnets: *Mugilidae* 5012Growth: *Merluccius capensis* 10807Growth: *Scylla serrata* 5305Mesh regulations: *Merluccius merluccius* 4504

- Microorganisms Noxious organisms: *Vibrio parahaemolyticus* 2217
- Morphology (organisms): *Carcharhinidae* 2744
- Morphology (organisms): *Sphyraenidae* 2744
- New species: *Harpacticoida* 11659
- New species: *Mollusca* 6088
- New species: *Transkeithynella paradoxa* 9276
- New species: *Transvaalthynella coineau* 9276
- Noxious organisms: *Vibrio parahaemolyticus* 2217
- Otolith reading: *Merluccius capensis* 10807
- Pelagic fisheries 3464
- Population density: *Scylla serrata* 5305
- Predator control: *Pinnipedia* 3377
- Respiration: *Physeter catodon* 11828
- Respiratory organs: *Mugilidae* 5012
- Stock assessment: *Merluccius capensis* 11245
- Taxonomy: *Austrobothynellinae* 9276
- Taxonomy: *Mollusca* 6088
- Whaling statistics 4505
- Wind waves Navigation 88
- PSW, South Africa, Cape Province,**
Dessication: *Patella* 5191
- PSW, South Africa, Cape Town,**
Horizontal distribution: *Spirorbidae* 9517
- PSW, South Africa, False Bay,**
Larvae: *Pyura stolonifera* 8449
- Temperature effects: *Pyura stolonifera* 8449
- PSW, South Africa, Knysna Estuary,**
Heavy metals: *Ostreidae* 9891
- Indicator organisms: *Ostreidae* 9891
- Pollution monitoring: *Ostreidae* 9891
- Trace constituents: *Ostreidae* 9891
- PSW, South Africa, Kowie R.,**
Geographical distribution Littoral zone:
Ameronothrus 34
- PSW, South Africa, Natal,**
New records: *Morum praeclarum* 4874
- New species: *Clavagella mullerae* 2618
- Taxonomy: *Morum praeclarum* 4874
- PSW, South Africa Rep.,**
Anatomy: *Spheniscus demersus* 9458
- Bottom topography 9063
- Carbonates: *Gorgonacea* 10422
- Check lists: *Monstrilla* 3969
- Check lists: *Odontaspidae* 9339
- Check lists: *Ostracoda* 8916
- Chemical composition: *Gorgonacea* 10422
- Ecology: *Patella* 4260
- Ecology: *Pisces* 9340
- Estuaries: *Pisces* 9340
- Geographical distribution: *Callianassa* 9520
- Geographical distribution: *Hexanchidae* 9341
- Hosts: *Amphiura capensis* 2677
- Larvae: *Mollusca* 10100
- Life cycle: *Penilia avirostris* 8248
- Life cycle: *Pisces* 9340
- Marine geology 9063
- Morphology (organisms): *Hexanchidae* 9341
- Morphology (organisms): *Odontaspidae* 9339
- New records: *Mollusca* 9242
- New species: *Agulanthura* 1426
- New species: *Austroarcturus* 1426
- New species: *Cancerilla oblonga* 2677
- New species: *Caprellidea* 9275
- New species: *Gammaridea* 9275
- New species: *Meiosquilla barnardi* 1427
- New species: *Mollusca* 9242
- New species: *Monstrilla papilliremis* 3969
- New species: *Ostracoda* 8916
- Palaeontology: *Mollusca* 9242
- Palaeontology: *Ostracoda* 8916
- Palaeontology Sediment analysis: *Mollusca* 1085
- Parasites: *Cancerilla oblonga* 2677
- Pollution effects: *Pisces* 9340
- Reproduction: *Penilia avirostris* 8248
- Reproduction: *Pisces* 9394
- Sea level 9063
- Spawning: *Pisces* 9394
- Symbiosis: *Patella* 4260
- Taxonomy: *Caprellidea* 9275
- Taxonomy: *Gammaridea* 9275
- Taxonomy: *Inguza* 9458
- Taxonomy: *Mollusca* 9242
- PSW, South Africa Rep., Kowie Estuary,**
Feeding behaviour: *Scylla serrata* 10847
- PSW, South Africa Rep, Natal,**
Morphology (organisms): *Munida babai* 12893
- New species: *Munida babai* 12893
- PSW, South Africa, Swartveli,**
Carbohydrates: *Bacteria* 13269
- Metabolism: *Bacteria* 13269
- Nutrition: *Bacteria* 13269
- PSW, South African Coast,**
Overfishing: *Merluccius capensis* 11248
- Overfishing: *Merluccius paradoxus* 11248
- Yield: *Merluccius capensis* 11248
- Yield: *Merluccius paradoxus* 11248
- PSW, South African Rep.,**
Geographical distribution: *Yabeiceras manasoense* 10101
- New records: *Yabeiceras manasoense* 10101
- Palaeontology: *Yabeiceras manasoense* 10101
- PSW, South Georgia,**
Eggs: *Euphausiacea* 6442
- Nauplii: *Euphausiacea* 6442
- Vertical distribution: *Euphausiacea* 6442
- PSW, South Orkneys,**
Nutrition: *Amphipoda* 6488
- Oxygen consumption: *Macrobiotus furciger* 6058
- Stomach contents: *Pisces* 6488
- PSW, South Shetland Is.,**
Benthos Community composition 1892
- Benthos Community composition: *Foraminifera* 1891
- PSW, South West Africa,**
Aerial surveys 13759
- Catch effort: *Genypterus capensis* 11227
- Catch effort: *Lophius piscatorius* 11227
- Catch effort: *Merluccius* 11227
- Demersal fisheries 11227

Fecundity: *Trachurus trachurus* 10801
 Fish catch statistics 3464, 11226
 Fish catch statistics: *Trachurus trachurus* 10886
 Fishery biology: *Merluccius capensis* 10887
 Fishery surveys 13759
 Fishing mortality: *Merluccius* 11241
 Growth: *Genypterus capensis* 10806
 Growth: *Merluccius capensis* 10805
 Growth: *Trachurus trachurus* 10801, 10802, 10885
 Ichthyoplankton: *Merluccius* 11246
 Length-weight relationships: *Merluccius capensis* 10887
 Length-weight relationships: *Trachurus trachurus* 10886
 Otolith reading: *Trachurus trachurus* 10802
 Population dynamics: *Trachurus trachurus* 10885
 Quota regulations: *Merluccius capensis* 11243
 Research programmes 11226
 Sexual maturity: *Merluccius capensis* 10887
 Size distribution: *Merluccius capensis* 10887
 Spawning seasons: *Merluccius* 11246
 Spawning seasons: *Trachurus trachurus* 10885
 Stock assessment: *Merluccius* 11241
 Stock assessment: *Merluccius capensis* 11243, 11244, 13850
 Stock assessment: *Merluccius paradoxus* 11244, 13850
 Stomach content: *Trachurus trachurus* 10885
 Total mortality: *Trachurus trachurus* 10885, 10886

PSW, Southeast Pacific Basin,

Bottom topography 8029
 Internal waves 8029
 Sedimentation 8029

PSW, Southern Africa coast,

Growth: *Genypterus capensis* 10806
 Ichthyoplankton: *Merluccius* 11247
 Spawning grounds: *Merluccius* 11247
 Spawning seasons: *Merluccius* 11247

PSW, Southern African Coast,

Demersal fisheries 11239
 Fish catch statistics 11225
 Fish catch statistics: *Dentex macrophthalmus* 11240
 Fish catch statistics: *Merluccius* 11240
 Fish catch statistics: *Trachurus trachurus* 11240
 Growth: *Genypterus capensis* 10804
 Marine fisheries 11239
 Pelagic fisheries 11239
 Population dynamics: *Genypterus capensis* 10804
 Quota regulations 11239
 Research programmes 11225, 11239, 11240
 Stock assessment 11239
 Total mortality: *Genypterus capensis* 10804

PSW, Southern African Coasts,

Growth: *Merluccius capensis* 11242
 Growth: *Merluccius paradoxus* 11242
 Recruitment: *Merluccius capensis* 11242
 Recruitment: *Merluccius paradoxus* 11242
 Stock assessment: *Merluccius capensis* 11242
 Stock assessment: *Merluccius paradoxus* 11242

PSW, Tuan Fernandez Is.,

New species: *Nucula fernandensis* 1398

PSW, Weddell Sea,

Carbonates: *Foraminifera* 5917

Drift organisms Currents: *Euphausia superba* 327
 Larvae Geographical distribution: *Euphausia superba* 327
 Sea ice 5917
 Sediment analysis: *Foraminifera* 5917
 Topography Water circulation 1185
 Water circulation Hydrography 1178

Puerto Rico,

Evolution: *Foraminifera* 4174
 Palaeontology: *Foraminifera* 4174
 Taxonomy: *Foraminifera* 4174

PW, Scotia Sea,

Drift organisms Currents: *Euphausia superba* 327
 Larvae Geographical distribution: *Euphausia superba* 327

Rhodesia,

Aquatic plants Geographical distribution 1662
 Breeding: *Crocodylus niloticus* 6780
 Conservation: *Crocodylus niloticus* 6780
 Thermal springs 10244

Rhodesia, Mwenda R.,

Limnology 10158

Romania,

Caves 4603
 Community composition 4603
 Ecology: *Desmidiaceae* 3152
 Eyes: *Urodela* 5109
 Glands: *Urodela* 5109
 Morphology (organisms): *Polycelis* 8159
 Morphology (organisms): *Staurostrum* 2506
 New records: *Polycelis* 8159
 New species: *Mallomonas transsylvanica* 5984
 Reproductive organs: *Polycelis* 8159
 Research programmes 4603
 Taxonomy: *Mallomonas transsylvanica* 5984
 Taxonomy: *Polycelis* 8159

Romania, Danube Delta,

Check lists: *Anseriformes* 7475
 Hosts: *Aves* 7475
 Parasites: *Anseriformes* 7475

Romania, Iron Gates L.,

Gear selectivity Stock assessment 1003

Romania, Nitra R.,

Biometrics: *Carassius auratus* 11723
 Growth: *Carassius auratus* 11723
 Meristic counts: *Carassius auratus* 11723
 Reproduction: *Carassius auratus* 11723

Sabah,

Shellfish culture: *Crassostrea belcherii* 13729

Sardinia, Olbia,

Community composition 7569
 Vegetation cover 7569

Senegal, Mali,

Check lists Geographical distribution: *Cyanophyta* 339

Sicily, Faro L.,

Carbon Metabolism 70
 Limnology Chemical composition 70

Metabolism Chemical composition 70

Photosynthesis Limnology 70

Sulphur Metabolism 70

Sierra Leone,

Shellfish culture: *Crassostrea tulipa* 13729

Sierra Leone, Inland waters,

New species: *Pyramidospora herculiformis* 5957

Singapore,

Education Fishermen 3619

Somalia, Dem.Rep.,

Shipbuilding 844

South Africa,

Fish conversion 4518

Fish handling 6813

Fish pumps 4457

Fish wastes 4518

Fossils: *Undichna* 11762

Marketing: *Pisces* 3583

New species: *Undichna* 11762

Packing fishery products 3583

Quota regulations: *Cetacea* 4505

Traps: *Decapoda* 3390

Trash fish 4518

South Africa, Cape Province, Olifants R.,

New species: *Barbus erubescens* 6222

Taxonomy: *Barbus calidus* 6222

South Africa, Hendrik Verwoerd Dam,

Euphotic zone 8659

Light penetration 8659

Primary production 8659

South Africa, Natal,

Fossils: *Palaeomutela subparallela* 6083

New records: *Palaeomutela subparallela* 6083

South Africa, Natal, Pongolo R.,

Environmental effects: *Tilapia rendalli* 13172

Geographical distribution: *Tilapia rendalli* 13172

South Africa Rep.,

Fossils: *Pisces* 3993

South Africa, Rietulei Reservoir,

Agricultural runoff 11104

Freshwater pollution 11104

Mercury 11104

Sediment analysis 11104

South Africa, Rietuli Reservoir,

Chlorophylls: *Bacteria* 10271

Photosynthesis: *Bacteria* 10271

Water analysis (biological): *Bacteria* 10271

South Africa, St. Lucia Lake System,

Food organisms: *Mugilidae* 13240

Food webs: *Mugilidae* 13240

South Africa, Stellenbosch,

Conferences 10129

South Africa, Transvaal,

Temperature effects: *Biomphalaria pfeifferi* 7194

Temperature effects: *Bulinus globosus* 7194

Temperature effects: *Lymnaea natalensis* 7194

South Africa, Verwoerd Dam,

Water temperature Parasitology: *Schistosoma* 725

South Africa, Zululand, Mgobezelini,

Check lists Biota 1606

Surveys Ecology 1606

South America,

Fossils: *Hydromedusa* 11841

Geographical distribution: *Glacidorbis* 3925

Geographical distribution: *Pisces* 4081

Keys: *Plecoptera* 2732

Morphology (organisms): *Hydromedusa* 11841

Sea law 5738

Shells: *Hydromedusa* 11841

Taxonomy: *Hydromedusa* 11841

Territorial waters 5738

South America, La Plata River,

Speciation: *Diplodon delodontus* 5317

Taxonomy: *Diplodon delodontus* 5317

South West Africa,

Enzymes: *Biomphalaria salinarum* 2625

Pancreas: *Biomphalaria salinarum* 2625

Taxonomy: *Biomphalaria salinarum* 2625

South West Africa, Luederitz Bay,

Geographical distribution: *Ostracoda* 6043

New species: *Ostracoda* 6043

Terminology: *Paradoloria dorsoserrata* 6043

South West Africa, Swakop R.,

Deltas 8039

River discharge 8039

Southeast Asia,

Aquariology: *Bacteria* 11197

Directories 2256

Education 13520

Fisheries 7866

Fishery management 7866

Herbivores: *Ctenopharyngodon idella* 9957

Microbial contamination: *Pisces* 11197

Plant control: *Hydrilla* 9957

Plant control: *Salvinia* 9957

Research institutions 2256

Research programmes 2256

Trade: *Pisces* 11197

Tropical cyclones 12694

Southeast Asia coasts,

Keys: *Axonolaimidae* 1367

Reproduction Aquaculture: *Oncorhynchus* 432

Reproduction Subpopulation: *Oncorhynchus* 432

Resource management: *Oncorhynchus* 432

Taxonomy: *Axonolaimidae* 1367

Taxonomy New species: *Paradontophora danka* 1367

Taxonomy New species: *Parascolaismus*

amphidoporus 1367

Taxonomy New species: *Parascolaismus proprius* 1367

Southern Africa,

Genetics: *Kassina* 8547

Reproductive behaviour: *Kassina* 8547

Terminology: *Pisces* 5037

Vocal behaviour: *Kassina* 8547

Southern hemisphere oceans,

- Energy budgets: *Mysticeti* 13211
- Growth: *Mysticeti* 13211
- Marine ecology: *Mysticeti* 13211
- Migrations: *Mysticeti* 13211

Spain,

- Canned products: *Loligo vulgaris* 10064
- Canned products: *Lophius piscatorius* 10064
- Canned products: *Micromesistius poutassou* 10066
- Canned products: *Scombridae* 10066, 13913
- Canned products: *Todaropsis eblanae* 10064
- Canning: *Lophius piscatorius* 10064
- Education 13962
- Fishermen 13962
- Fishery products 10066
- Frozen products: *Micromesistius poutassou* 10066
- Frozen products: *Scombridae* 10066
- Heavy metals Canned products 1989
- Marketing 10126
- Morphology: *Ammonoidea* 6099
- Oceanographic institutions Research programmes 20
- Palaeontology 6099
- Preservation (fishery products) 10126
- Quality control: *Scombridae* 13913
- Research vessels Oceanography 1122
- Taxonomy: *Ammonoidea* 6099

Spain, Barcelona,

- Conferences 10124

Spain, Gerona, Vila L.,

- Population dynamics Community composition: *Bacteria* 1283

Spain, Madrid,

- Symposia: *Scombridae* 2287

Spain, Valencia,

- Conferences 6953

Spain, Vigo,

- Canning 13883
- Fishery industry plants 13883

Sri Lanka,

- Fishery technology Research institutions 2265
- New species: *Zeylanodiptomus papillopedis* 6143

St. Vincent,

- Habitat 7592
- Limnology 7592
- Water analysis (chemical) 7592
- Water quality 7592

Stockholm Archipelago,

- Indicator organisms: *Esox lucius* 12255
- Pollution effects: *Esox lucius* 12255

Sudan, Wad Medani, Gezira,

- Bioaccumulation: *Pisces* 12251
- DDT: *Pisces* 12251
- Insecticides: *Pisces* 12251
- Muscular system: *Pisces* 12251

Surinam,

- Dams 5536
- Morphology (organisms): *Porifera* 3890

Plankton 5536

- Water analysis (chemical) 5536
- Water analysis (physical) 5536

Sweden,

- Acidity 5864
- Aquatic plants Marshes 1898
- Behaviour: *Pisces* 12254
- Biomass: *Algae* 4204
- Community composition: *Calanoida* 6571
- Eutrophication 6571
- Fish catch statistics 3593
- Fishermen Fisheries statistics 3593
- Freshwater lakes 5864, 6571
- Freshwater pollution 5864
- Geographical distribution: *Najas flexilis* 6431
- Growth: *Salmo trutta* 10811
- Indicator species: *Holopedium gibberum* 6571
- New species Morphology: *Pisidium hinzi* 1397
- Nutrients (mineral) 4204
- Phytoplankton 4204
- Population density: *Salmo trutta* 10811
- Regional variations: *Salmo trutta* 10811
- Size distribution: *Salmo trutta* 10811
- Sonic tags: *Pisces* 12254
- Temperature effects: *Pisces* 12254
- Water analysis (chemical) 5864
- Zooplankton: *Cladocera* 6571

Sweden, Avaa L.,

- Acidity: *Teleostei* 6758
- Eggs: *Rutilus rutilus* 6758
- Reproduction: *Perca fluviatilis* 6758
- Tolerance: *Teleostei* 6758

Sweden, Bunnarsjoarna L.,

- Genetics: *Salmo trutta* 11783
- Sympatric populations: *Salmo trutta* 11783

Sweden, Drottningholm, Malaren L.,

- Food composition: *Abramis brama* 12038
- Hosts: *Abramis brama* 12038
- Parasites: *Caryophyllaeus laticeps* 12038
- Population dynamics: *Caryophyllaeus laticeps* 12038

Sweden, Ekoln L.,

- Aerial photography 10136
- Aquatic plants 10136
- Eutrophication 10136

Sweden, Erken L.,

- Ecosystems: *Algae* 13404
- Grazing: *Algae* 13404
- Seasonal variations: *Algae* 13404

Sweden, Inland waters,

- Ecosystems: *Teleostei* 12160
- Food chains: *Teleostei* 12160
- Plankton: *Teleostei* 12160
- Predation: *Teleostei* 12160

Sweden, Lake Erken,

- Horizontal distribution Morphology: *Ceratium* 1857

Sweden, Lakes,

- Dissolved oxygen 9022

Sweden, Lapland, Vindelaelven R.,Population parameters: *Ephemeroptera* 8639Population parameters: *Plecoptera* 8639**Sweden, Lysekil,**

Conferences 11066

Sweden, Marmen L.,Condition factor: *Esox lucius* 9873Industrial wastes: *Esox lucius* 9873Mercury: *Esox lucius* 9873Size distribution: *Esox lucius* 9873**Sweden, Moeckeln L.,**Breeding: *Aves* 11830

Ecosystems 11830

Energy budget: *Aves* 11830

Fishery resources 11830

Predation: *Mergus merganser* 11830**Sweden, Raadasjoen L.,**

Freshwater pollution 4341

Phosphorus 4341

Sweden, Ramsjoen L.,

Chlorophylls 4203

Sweden, Ricklea R.,Spawning migrations: *Lampetra fluviatilis* 2942**Sweden, Sodra Karrlangen L.,**Geographical distribution: *Potamogeton rutilus* 6432**Sweden, Stampenbaecken,**Symbionts: *Ephemera danica* 10982Symbionts: *Epoicocladins ephemerae* 10982**Sweden, Trosaen R.,**Biomass: *Phragmites communis* 9896Chemical analysis: *Phragmites communis* 9896Pollution effects: *Phragmites communis* 9896Primary production: *Phragmites communis* 9896**Sweden, Trummen L.,**New species: *Mallomonas trummensis* 8101Ultrastructure: *Mallomonas trummensis* 8101**Sweden, Vombsjoen L.,**Ecology Environmental factors: *Gymnodinium helveticum* 1682**Switzerland,**

Fossils 13956

Taxonomy: *Hauffenia* 10428**Switzerland, Constance L.,**

Fish catch statistics 6856

Inland fisheries 6856

Switzerland, Geneva,

Conferences 2291, 2295, 5730

Switzerland, Mindelsee L.,Eutrophic lakes Degradation: *Bacteria* 124**Switzerland, Morges,**

International organizations 13848

Switzerland, Neuchatel L.,New records: *Apelocheirus aestivalis* 6420**Switzerland, Rhone R.,**

Water analysis (chemical) Phosphorus 2356

Water quality 2438

Syria,New species: *Echinogammarus palmyrensis* 218**Tahiti,**Biometrics: *Simulium cheesmanae* 10531Larvae: *Simuliidae* 10531Morphology (organisms): *Simulium oviceps* 10531**Taiwan,**

Aquaculture 11168

Artificial spawning Aquaculture: *Mugil cephalus* 898

Fish culture 12337

Seaweed culture 12337

Seaweed culture: *Gracilaria* 12386

Shellfish culture 12337

Tanzania,Behaviour: *Limnothrissa* 13325New species: *Macrostomum amaniense* 10386Size distribution: *Limnothrissa* 13325**Tanzania, Tanganyika L.,**Behaviour: *Lucioides* 13325

Fish catch statistics 11221

Fisheries statistics 11221

Lake fisheries 11221

Net fishing: *Lucioides* 13325Size distribution: *Lucioides* 13325**Tasmania,**Biology: *Galaxiidae* 12949

Fishery organizations 12533

Geographical distribution: *Glacidorbis* 3925

Inland fisheries 12533

Keys: *Alabettidae* 1650

Lakes Community composition 1897

Marine ecology: *Pisces* 1650New records: *Galaxias brevipinnis* 12949New records Geographical distribution: *Pisces* 1650Taxonomy: *Galaxiidae* 12949**Tasmania, Crescent L.,**

Primary production 5398

Tasmania, Dip River,Morphology (organisms): *Paracalliope larai* 4954New species: *Paracalliope larai* 4954**Tasmania, Inland waters,**

Chemistry 10162

Fertilizers: *Algae* 10163

Ions 10162

Methodology 10162

Nutrients (mineral): *Algae* 10163

pH 10162

Photosynthesis: *Algae* 10163Production (biological): *Algae* 10163**Tasmania, Lagoon of Islands,**

Conservation 8806

Ecosystems 8806

Tasmania, Lake Crescent,New species: *Heterias petrensis* 4953**Tasmania, Sorell L.,**

Primary production 5398

Tasmania, Tamar Estuary,Introduced species: *Spartina anglica* 6757

Tethys Sea, central Paratethys,Fossils: *Diatomae* 7927Geographical distribution: *Diatomae* 7927Indicator organisms: *Diploneis microtatos* 7927

Palaeontology 7927

Sediment collections: *Diatomae* 7927**Thailand,**Biogeography: *Mollusca* 12845Taxonomy: *Mollusca* 12845**Thailand, Bangkok,**

Aquaculture 12548

Conferences 12548

Thailand, Inland waters,

Disease control 13288

Diseases 13288

Public health 13288

Thailand, Mekong R.,Geographical distribution: *Pellonulinae* 9366Morphology (organisms): *Pellonulinae* 9366Terminology: *Pellonulinae* 9366**Trinidad,**Check lists: *Foraminifera* 3891New species: *Hepatus nodosus* 8262New species: *Thaumastoplax intermedius* 8262Palaeontology: *Balanidae* 4175Palaeontology: *Decapoda* 8262Palaeontology: *Foraminifera* 3891, 4585Palaeontology: *Gabonella* 3896Taxonomy: *Gabonella* 3896**Tropical America,**Fish culture: *Tilapia hybrida* 11182Fish culture: *Tilapia nilotica* 11182Freshwater aquaculture: *Tilapia hybrida* 11182Freshwater aquaculture: *Tilapia nilotica* 11182**Tunisia,**

Aquaculture 3373

Fisheries 3373

Geographical distribution: *Amphibia* 10716Geographical distribution: *Bufo mauritanicus* 8452Geographical distribution: *Bufo regularis* 8452

Inland fisheries Resource development 2088

New species: *Pavastehphyllum stehui* 1354New species: *Pavastehphyllum tunesium* 1354

Resource development 3373

Temperature effects: *Bufo mauritanicus* 8452Thermoregulation: *Bufo mauritanicus* 8452**Tunisia, Kelibia,**

Fishermen 7930

Tunisia, Tunis L.,

Anaerobic bacteria 12131

Water analysis (biological) 12131

Turkey,

Commercial fishing Resource development 806

Conferences 7611

Eggs: *Salmo gairdneri* 11786Freshwater aquaculture: *Pisces* 6828Hatcheries: *Salmo gairdneri* 11786Ontogeny: *Salmo gairdneri* 11786

Pollution control 7611

Research institutions 11786

Turkey, Baykan,Morphology (organisms): *Gammarus brachyurus* 210**Turkey, Elazig,**Hosts: *Barbus plebejus* 7468Hosts: *Capoeta capoeta* 7468Hosts: *Leuciscus cephalus* 7468Parasites: *Ligula intestinalis* 7468**Turkey, Keban Dam L.,**New records: *Mystus pelusius* 7359**Turkey, Munzur Stream,**Hosts: *Salmo trutta* 7467Parasites: *Acanthocephalus* 7467Parasites: *Contracaecum* 7467Parasites: *Creptotrema* 7467Parasites: *Philonema* 7467**Uganda,**New species: *Macrostomum georgeense* 10386**Uganda, George L.,**

Ammonia 7976

Carbon dioxide 4669

Ecology Food composition: *Haplochromis* 1931

Mud 7976, 7977

Nutrients (mineral) 4669, 7976

Oxygen consumption 4669

Phosphates 7977

Population density Biomass: *Pisces* 1901

Sediment analysis 4669, 7976, 7977

Uganda, Jinja,

Research institutions 8921

Uganda, Kyoga L.,

Charts 4720

Hydrology 4719, 4721

Mapping 4720

Meteorology 4721

Rivers 4719

Uganda, Lake George,Aquatic communities: *Algae* 4234

Nitrogen cycle 4234

Water temperature 4234

Uganda, Victoria L.,New species: *Parasymphylodora manteri* 10382**United Arab Emirates,**

Fishery statistics 4486

Resource development 4439

USA,

Aerial photography 3684

Algal blooms: *Gonyaulax* 9943Algal blooms: *Gymnodinium* 9943

Aquaculture 13599

Aquaculture Resource development: *Rana* 3420Aquaculture statistics: *Ictalurus punctatus* 7816

Aquatic mammals Research programmes 5

Artificial reefs 4406

Artificial reefs Coastal engineering 721

Artificial reefs Coastal fisheries 721

- Artificial reefs Habitat improvement 721
 Bibliographic information Research programmes 3613
 Biological institutions: *Mammalia* 6940
 Check lists: *Characidae* 4008
 Check lists: *Hyphomycetes* 13152
 Coastal engineering 4424
 Coastal fisheries 4530
 Coastal zone 4568
 Commercial fishing 4548
 Community composition 6556
 Conferences Red tides 30
 Conservation Population control: *Culicidae* 2031
 Dams Computer applications 2023
 Dams Water quality 2023
 Data processing 8955
 Directories 10115
 Diving 3685
 Diving Gases 38
 Diving Test equipment 38
 Diving Underwater research vessels 37
 Dredging 9868, 9954, 9956
 Dredging Dispersion 2036
 Dredging Pollution control 2036
 Dredging Sediment transport 2036
 Dredging Waste disposal 2036
 Education 3673
 Environmental effects: *Crustacea* 4086
 Environmental effects: *Pisces* 4086, 5555
 Erosion control 9954
 Erosion control Research programmes 727
 Estuarine fisheries 4530
 Fish culture 13607
 Fish culture Resource development: *Ictalurus punctatus* 3397
 Fish farming: *Ictalurus* 12357
 Fisheries Bibliographies 805
 Fisheries regulations 4510, 4544, 4551, 4552, 4553, 4554
 Fisheries resources 3644, 4530
 Fisheries statistics 12500, 12501
 Fishery economics: *Ictalurus* 12357
 Fishery industry 4549
 Fishery industry plants Sanitary engineering 1037
 Fishery management 4510, 4545, 4547, 4549, 4550, 4551, 4552, 4553, 4554, 4566
 Fishery products 12478
 Fishery products Marketing 1060
 Fishing vessels 6797
 Fishways: *Salmo salar* 7742
 Flood control 7750
 Frozen products 11275, 12478
 Gases Chemical analysis 38
 Gear research Shrimps 836
 Geographical distribution: *Crustacea* 4086
 Geographical distribution: *Dryopoidea* 1626
 Geographical distribution: *Megactenopetalus kaibabanus* 11756
 Geographical distribution: *Pisces* 4086
 Geographical distribution: *Rana blairi* 6544
 Geographical distribution: *Rhantus* 1478
 Habitat improvement 4406, 7750
 Habitat improvement Plant control: *Neochetina eichhorniae* 2026
 Hybrids: *Rana blairi* 6544
 International exchange 10122
 Lakes Water quality 2023
 Legislation 4568, 5751, 5752
 Legislation: *Algae* 2137
 Marine engineering 10120
 Marine pollution Data processing 679
 Marketing: *Penaeidae* 4529
 Marketing Fishery products 3571
 Marketing aquatic products 3581
 Marketing aquatic products: *Bivalvia* 3598
 Marketing aquatic products: *Crustacea* 3598
 Marshes 4418
 Morphology (organisms): *Piscicolidae* 2555
 Morphology (organisms) Taxonomy: *Typhlotriton spelaeus* 1582
 Nature conservation 2261
 Nature conservation: *Lontra felina* 11153
 New records: *Hyphomycetes* 13152
 New species: *Glaridacris vogei* 8165
 New species: *Macrocotyla lewisi* 165
 Oceanography Research vessels 1123
 Oil pollution Aerial surveys 517
 Oil pollution Chemical analysis 603
 Oil pollution Data acquisition 667
 Oil pollution Data processing 679
 Oil pollution Diving 693
 Oil pollution International exchange 676
 Oil pollution Legislation 666
 Oil pollution Oil removal 539
 Oil pollution Pollution control 539, 572, 692, 693
 Oil pollution Sea law 676
 Oil pollution Shipbuilding 676
 Oil pollution Ships 572, 676
 Oil pollution Waste disposal 572, 681
 Oil removal Equipment 539
 Oil removal Legislation 666
 Oil removal Research programmes 539
 Oil spills Aerial surveys 675
 Oil spills Arctic zone 683
 Oil spills Chemical analysis 603
 Oil spills Computer applications 523
 Oil spills Data acquisition 667
 Oil spills Dispersion 529
 Oil spills Education 670, 671
 Oil spills Equipment 529, 531, 692
 Oil spills Legislation 603, 666, 677
 Oil spills Monitoring 675
 Oil spills Oil removal 523, 532
 Oil spills Pollution control 523, 529, 531, 532, 603, 667, 671, 675, 677, 681, 683, 686, 689, 692
 Oil spills Pollution effects 603
 Oil spills Predictions 689
 Oil spills Research programmes 531, 683
 Oil spills Sea ice 683
 Oils Degradation 790
 Palaeontology Biogeography 2243
 Parasites: *Glaridacris vogei* 8165
 Pest control Conferences 790
 Phenols Fishery management: *Hexagenia* 7758

- Phenols Larvae: *Hexagenia* 7758
 Phenols Toxicants: *Hexagenia* 7758
 Phenols Toxicity: *Hexagenia* 7758
 Phosphorus Lakes 1961
 Phosphorus Mathematical models 1961
 Phosphorus Nutrient cycles 1961
 Phosphorus Water quality 1961
 Plant control: *Algae* 3354
 Plant control Herbicides: *Alternanthera philoxeroides* 2038
 Plant control Herbicides: *Eichhornia crassipes* 2038
 Poisonous organisms Red tides 773
 Poisons (biological): *Gymnodinium* 9943
 Pollution control 5508
 Pollution control Data processing 679, 689
 Pollution control Legislation 666
 Pollution effects 9868
 Pollution monitoring 6734
 Population control: *Culicidae* 2031
 Processing fishery products: *Ostreidae* 7875
 Processing fishery products Sanitary engineering 1037
 Quota regulations: *Pinnipedia* 3479
 Red tides: *Gonyaulax* 9943
 Red tides: *Gymnodinium* 9943
 Red tides Monitoring 773
 Red tides Public health 773
 Remote sensing 6963
 Research institutions 10120
 Research programmes 3641, 3647
 Research programmes Research institutions: *Mammalia* 5
 Research vessels 5792, 6797
 Research vessels Directories 1123
 Reservoirs Flood control 2037
 Reservoirs Habitat improvement 2037
 Resource development 3821
 Resource management 3821
 Rivers Water management 2004
 Sanitary engineering Ships 715
 Sea law 5746
 Seaweed culture 2139
 Sewage Ships 715
 Shellfish catch statistics 3598
 Shellfish catch statistics Marketing aquatic products 3597
 Shellfish culture 13607
 Shellfish culture: *Penaeidae* 5607
 Shellfish fisheries 4525
 Sport fishing 2261, 4509, 4510, 4544, 4548, 4549, 4550
 Subpopulation: *Rana blairi* 6544
 Sympatric populations: *Rana blairi* 6544
 Taxonomy: *Rhantus* 1478
 Taxonomy New species: *Cheumatopsyche* 248
 Territorial waters 4537, 4566, 4568, 5735
 Thermal aquaculture 5555
 Thermal pollution: *Pisces* 5555
 Thermal pollution Weather conditions 1957
 Trade: *Ictalurus punctatus* 7816
 Trade: *Penaeidae* 4529
 Trade: *Pisces* 7891
 Trawl nets Shrimps 836
 Underwater exploration 3641
 Underwater research vessels Pressure effects 37
 Underwater research vessels Water pressure 37
 Waste disposal 9868, 9956
 Waste disposal Oil spills 681
 Waste disposal Ships 715
 Waste water Ships 715
 Water management 3631, 7750
 Water management Computer applications 2004
 Water management Pollution control 2004
 Water management Research programmes 716
 Water management Water resources 2004
 Water quality Research programmes 716
 Water resources 4266, 6963, 7770
 Water resources Education 2040
 Water resources Research programmes 716
 Water resources Resource development 1247
 Weeds Biological control: *Eichhornia crassipes* 2026
 Weeds Plant control: *Eichhornia crassipes* 2026
 Zooplankton 6556
- USA, Alabama,**
 Alkalinity 3731
 Artificial feeding Temperature effects: *Ictalurus nebulosus* 906
 Fossils: *Foraminifera* 9183
 Growing ponds Production (biological): *Lepomis macrochirus* 909
 New species: *Globotruncana lunaris* 9183
 New species: *Globotruncana pustulifera* 9183
 New species: *Hererohelix stenopus* 9183
 New species: *Heterohelix spenoides* 9183
 New species: *Isoglaridacris erraticus* 166
 New species: *Isoglaridacris etowani* 166
 New species: *Pseudoguembelina costellifera* 9183
 New species: *Pseudoguembelina polypleura* 9183
 New species: *Schackoina sellaeforma* 9183
 Water hardness 3731
 Water quality Growing ponds: *Ictalurus punctatus* 907
- USA, Alabama, Auburn,**
 Research institutions 6938
- USA, Alabama, Tallapoosa R.,**
 Sexual dimorphism: *Percina palmaris* 7251
- USA, Alaska,**
 Benthos: *Invertebrata* 3092
 Cultures: *Petrocelis middendorffii* 9142
 Fish catch statistics: *Oncorhynchus* 10034
 Fish counters Acoustic equipment: *Oncorhynchus nerka* 947
 Fisheries resources 4507
 Fossils: *Epithemia* 6931
 Fossils: *Fragilaria* 6931
 Fossils: *Gomphonema* 6931
 Freshwater ecology: *Invertebrata* 3092
 Hosts: *Salvelinus alpinus* 9657
 Oil spills 6674, 6675
 Parasites: *Invertebrata* 9657
 Yield predictions: *Oncorhynchus* 10034
- USA, Alaska, Barrow,**

- Water conservation 93
Water resources Precipitations (atmospheric) 93
Water resources Resource development 93
- USA, Alaska, Imuruk Lake,**
Geomagnetism 9080
Radioactive dating 9080
Sediment analysis 9080
- USA, Alaska, Prince William Sand,**
Food composition: *Oncorhynchus* 10855
Pollution effects: *Oncorhynchus* 10855
- USA, Arizona,**
Fossils: *Colpichthys regis* 11757
Migrations: *Castor* 13078
Morphology (organisms): *Colpichthys regis* 11757
New records: *Castor* 13078
New records: *Colpichthys regis* 11757
Palaeontology 11757
Ponds: *Castor* 13078
- USA, Arizona, Inland waters,**
Parasites: *Kinosternon sonoriense* 8595
- USA, Arizona, Phoenix, Salt R.,**
Filtration: *Virus* 11052
Waste water 11052
- USA, Arizona, Upper Lake Mary.,**
Phytoplankton 3085
Seasonal variations 3085
- USA, Arkansas,**
Aquaculture Economics: *Ictalurus punctatus* 2101
Fossils: *Syngastrioceras oblatum* 12519
New species: *Procambarus curdi* 3967
Palaeontology 12519
- USA, Arkansas, Cossatot R.,**
Conservation: *Percina pantherina* 3348
Habitat: *Percina pantherina* 3348
- USA, Beartooth Mountains,**
Environmental factors: *Algae* 8529
Photosynthesis: *Algae* 8529
Water temperature: *Algae* 8529
- USA, California,**
Cultures: *Petrocelis middendorffii* 9142
Fisheries regulations: *Oncorhynchus kisutch* 3601
Fishery organizations 12384
Fossils 10105
Geographical distribution: *Cyprinodon* 8621
Geographical distribution Fossils 2241
Ground water 4332
Hosts: *Callianassa californiensis* 8603
Hosts: *Decapoda* 8603
Hybridization: *Petrocelis middendorffii* 9142
Limnological data 3743
Morphology (organisms): *Phytobius cavifrons* 11929
New records: *Dicotyledonae* 8519
New records: *Monocotyledoneae* 8519
New records: *Sisyr vicaria* 4083
New species: *Monomorphichnus multilineatus* 10105
New species: *Rusophycus radwanskii* 10105
Nitrogen cycle: *Algae* 5395
Nitrogen cycle: *Nostoc* 5396
Parasites: *Ascarophis* 8603
- Parasites: *Climacia californica* 4083
Parasites: *Sisyrdivora* 4083
Primary production: *Algae* 5395
Primary production: *Nostoc* 5396
Protective behaviour: *Phytobius cavifrons* 11929
Reservoirs 3743
Seasonal variations: *Algae* 5395
Shellfish culture: *Halioitis* 12384
Shellfish culture: *Pandalus platyceros* 12384
Terminology: *Phytobius torvipes* 11929
Water analysis (chemical) 3744
Water quality 3744, 4264, 4332
Water resources 4332, 11423
- USA, California, Clear L.,**
Diurnal rhythm: *Menidia audens* 13181
Feeding behaviour: *Menidia audens* 13181
Light effects: *Menidia audens* 13181
- USA, California, Davis,**
Research institutions 3637
- USA, California, Death Valley,**
Ecosystems: *Cyprinodon nevadensis* 13382
Production (biological): *Cyprinodon nevadensis* 13382
Temperature effects: *Cyprinodon nevadensis* 13382
- USA, California, Death Valley, Saratoga Springs,**
Introduced species: *Cyprinodon nevadensis* 8621
- USA, California, Friant,**
Population genetics: *Gasterosteus aculeatus* 9679
- USA, California, Greenhaven L.,**
Life cycle: *Archoplites interruptus* 7231
Spawning: *Archoplites interruptus* 7231
- USA, California, Inland waters,**
Breeding: *Amphibia* 13133
Ecology: *Amphibia* 13133
Geographical distribution: *Poeciliopsis gracilis* 9525
Introduced species: *Amphibia* 13133
Introduced species: *Poeciliopsis gracilis* 9525
New records: *Poeciliopsis gracilis* 9525
- USA, California, King R.,**
New species: *Algophagopsis pneumatica* 2728
- USA, California, L.Tahoe,**
Biomass: *Myriophyllum* 6606
Food chains: *Pacifastacus leniusculus* 6606
Population density: *Pacifastacus leniusculus* 6606
Primary production: *Pacifastacus leniusculus* 6606
- USA, California, La Jolla,**
Oceanographic institutions Research programmes 18
Research institutions Natural resources 14
Water analysis (chemical) 11018
- USA, California, Lopez Reservoir,**
Algal blooms 4422
Water quality 4422
- USA, California, Menlo Park,**
Conferences 12539
- USA, California, Merced R.,**
Fishways: *Oncorhynchus tshawytscha* 7865
Screens: *Oncorhynchus tshawytscha* 7865
- USA, California, Mohave Desert, Tecopa Bore R.,**

Biomass 12120
 Energy flow 12120
 Primary production 12120

USA, California, Monterey,
 Conferences 3772

USA, California, Sacramento R.,
 Growth rate: *Acipenser* 7859
 Serological studies: *Morone saxatilis* 9417
 Spawning: *Acipenser* 7859
 Stock assessment: *Acipenser* 7859
 Taxonomy: *Aspidonectes californiana* 6353
 Terminology: *Aspidonectes californiana* 6353
 Water quality 11122

USA, California, San Diego,
 Conferences 5779

USA, California, Santa Ana R.,
 Sediment transport 3793
 Sedimentation 3793

USA, California, Santa Barbara,
 New species: *Phagocata fawcetti* 4805

USA, California, Santa Maria R.,
 Sediment transport 3793
 Sedimentation 3793

USA, California, Saratoga Springs,
 Eggs: *Cyprinodon nevadensis* 8370
 Temperature effects: *Cyprinodon nevadensis* 8370

USA, California, Shastina L.,
 Freshwater ecology: *Algae* 3726
 Freshwater ecology: *Invertebrata* 3726
 Limnology 3726

USA, California, Zzyzx Spring,
 Population dynamics: *Cyprinodon* 8621
 Succession: *Cyprinodon salinus* 8621

USA coasts,
 Coastal erosion 12701
 Coastal fisheries 4538
 Commercial species: *Zosteraceae* 11457
 Ecosystems: *Zosteraceae* 11457
 Erosion control 12701
 Fishery management: *Salmonidae* 4538

USA, Coasts,
 Legislation 6728

USA coasts,
 Overfishing 4538

USA, Coasts,
 Pollution monitoring 6728

USA coasts,
 Resource management 12701
 Reviews: *Zosteraceae* 11457

USA, Coasts,
 Sewage 3170

USA coasts,
 Shellfish fisheries 4543
 Territorial waters 4567
 Tolerance: *Zosteraceae* 11457

USA, Coasts,
 Waste disposal 3170

USA, Colorado,

Colour: *Pseudacris triseriata* 8625
 Geographical distribution: *Corixidae* 4103
 Habitat: *Corixidae* 4103
 Heavy metals 4313, 4315
 Pollution effects 4314
 Polymorphism: *Pseudacris triseriata* 8625
 Population density: *Eiseniella tetraedra* 13336
 Population genetics: *Pseudacris triseriata* 8625
 Reservoirs Heavy metals: *Salmo gairdneri* 4356
 Reservoirs Pollution effects: *Salmo gairdneri* 4356
 Rivers: *Eiseniella tetraedra* 13336
 Subpopulation: *Pseudacris triseriata* 8625
 Survival: *Escherichia coli* 4741
 Water analysis (chemical) 4277, 4278
 Water quality 4277, 4278
 Weather conditions 4314

USA, Colorado, Cement Creek,
 Benthos: *Insecta* 8670
 Competition: *Insecta* 8670
 Diversity index: *Insecta* 8670
 Habitat: *Insecta* 8670

USA, Colorado, Clear Creek County,
 Heavy metals: *Bufo boreas* 11080
 Industrial wastes: *Bufo boreas* 11080
 Larvae: *Bufo boreas* 11080
 Toxicity: *Bufo boreas* 11080

USA, Colorado, Inland waters,
 Reproduction: *Anas* 11912
 Water level: *Anas* 11912

USA, Colorado, North St.Vrain Creek,
 Abundance: *Invertebrata* 8673
 Benthos: *Invertebrata* 8673
 Biomass: *Invertebrata* 8673
 Community composition: *Invertebrata* 8673
 Sediment structure 8673

USA, Colorado R.,
 Feeding mechanisms: *Simulium tescorum* 8571
 Filter feeders: *Simulium tescorum* 8571
 Larvae: *Simulium tescorum* 8571

USA, Colorado, Rocky Flats,
 Pollution monitoring 6659
 Radioactive pollution 6659

USA, Columbia R.,
 Anadromous migrations Survival: *Salmonidae* 958
 Stock assessment Methodology: *Pisces* 952

USA, Connecticut,
 Antibiotics: *Fungi* 4745
 Habitat: *Buenoa confusa* 5187
 Keys: *Buenoa confusa* 5187
 Larvae: *Buenoa confusa* 5187
 Temperature effects: *Fungi* 4745

USA, Connecticut, Connecticut R.,
 Anadromous migrations: *Salmo salar* 7821
 Conservation: *Salmo salar* 7821
 Electric fences: *Pisces* 5530
 Stocking: *Salmo salar* 7821

USA, Connecticut, Mystic R.,
 Development: *Myoxocephalus aeneus* 2800

USA, Connecticut, North Branford, Linsley Poud,

Aquatic plants Chemical composition 142

USA, Connecticut R.basin,Fisheries regulations: *Salmo salar* 7914**USA, Connecticut, Willimantic R.,**Nitrogen: *Chlamydomonas eugametos* 10322Sexual reproduction: *Chlamydomonas eugametos* 10322**USA, Dakota, Oahe L.,**

Reservoirs Ecology 6937

Reservoirs Fishery surveys 6937

USA, Delaware,

Aquatic plants 9940

Community composition: *Melampus bidentatus* 9940Community composition: *Uca minax* 9940

Habitat improvement 9940

Salt marshes 9940

USA, Delaware, Canary Creek,Check lists: *Bacillariophyceae* 10288Geographical distribution: *Bacillariophyceae* 10288

Salt marshes 10288

USA, Delaware, Murderkill R.,Environmental effects: *Crassostrea virginica* 6761

Pollutants 6761

Water analysis (chemical) 6761

USA, Delaware R.,

Legislation Pollution control 490

USA, Florida,

Aquatic plants 4411

Aquatic plants Weeds: *Eichhornia crassipes* 4419Ecology: *Sternotherus* 10880Fouling organisms Filtration: *Bacteria* 791Lakes Magnetism: *Algae* 3352

Legislation 10260

Magnetism Plant control 3352

Marine engineering 3639

New records: *Stereochilus marginatus* 2914New species: *Procambarus erythrops* 3965

Phytoplankton 5334

Plant control 4411

Population parameters: *Sternotherus* 10880Population structure: *Sternotherus* 10880

Primary production 5334

Research institutions 3639

Research institutions Natural resources 2254

Weeds 4411

Weeds Biological control: *Eichhornia crassipes* 4419Weeds Fungal diseases: *Eichhornia crassipes* 4419Weeds Plant control: *Alt ernanthera philoxeroides* 2027Weeds Plant control: *Eichhornia crassipes* 2027, 4419Weeds Plant control: *Hydrilla verticillata* 2027Weeds Plant control: *Myriophyllum spicatum* 2027**USA, Florida, Apalachicola R.,**New records: *Stizostedion canadense* 2915**USA, Florida, Crystal R.,**Temperature effects Traps: *Pisces* 2019**USA, Florida, Escambia R.,**New records: *Ammocrypta asprella* 2915**USA, Florida, Everglades,**Population dynamics: *Pomacea paludosa* 5307Seasonal variations: *Pomacea paludosa* 5307**USA, Florida, Everglades National Park,**

Ecosystems 11002

Periphyton 11002

Primary production 11002

USA, Florida, Hillsborough County L.,

Dissolved oxygen 5866

Growth rate: *Hydrilla verticillata* 5866

Water analysis (chemical) 5866

USA, Florida, Hillsborough R.,Life cycle: *Notropis petersoni* 2750**USA, Florida, Inland waters,**

Benthos 6574

Pollution monitoring 8060

Seasonal variations 6574

Water analysis (chemical) 8060

USA, Florida, Miami,

Conferences 3658

Oceanographic institutions 16

Research institutions 3644, 8920

USA, Florida, Miami Beach,

Conferences 3660

USA, Florida, Orange County,

Water quality Boats 593

Water quality Lakes 593

USA, Florida, St.Petersburg,Symposia: *Macrobrachium* 3410**USA, Georgia,**Hosts: *Pisces* 7146Microbial contamination: *Salmonellae* 3176New species: *Pilum pilum* 7146Parasites: *Pilum pilum* 7146Rivers: *Salmonellae* 3176

Water quality 11008

USA, Georgia, Atlanta,

Flood control 4414

Water management 4414

USA, Georgia, Clarke County,Culture media: *Klebsiella pneumoniae* 4740Rivers: *Klebsiella pneumoniae* 4740**USA, Georgia, Duplin R.,**

Dissolved oxygen 11351

Environmental effects 11351

Regional variations 11351

Tidal currents 11351

USA, Georgia, Ogeechee R.,

Estuaries 8045, 8046, 8644

USA, Georgia, Savannah R.,Primary production: *Spartina alterniflora* 4236Salt marshes: *Spartina alterniflora* 4236Seasonal variations: *Spartina alterniflora* 4236**USA, Georgia, Sidney Lanier L.,**Phosphorus cycle Ion accumulation: *Algae* 3140**USA, Georgia, Suwannee R.,**Pollution effects: *Esox niger* 12224

Pollution effects: *Lutra canadensis* 12224
 Pollution effects: *Micropterus salmoides* 12224
 Pollution effects: *Mustela vison* 12224

USA, Georgia, Wilmington-Skidaway estuary,
 Vertical distribution: *Oithona* 7536

USA, Georgia, Yellow R.,
 Dispersion: *Oxytrema suturalis* 8488
 Geographical distribution: *Oxytrema suturalis* 8488
 Limnological data 8488
 Migrations: *Oxytrema suturalis* 8488
 Vegetation cover: *Podostemum ceratophyllum* 8488

USA, Hawaii,
 Research institutions Water resources 1094

USA, Hudson R.,
 Cadmium 7642
 Nickel 7642

USA, Hudson R., Sawkill Tributary,
 Aggregations: *Viviparus georgianus* 7454
 Feeding behaviour: *Viviparus georgianus* 7454
 Food organisms: *Diatomaceae* 7454
 Lenitic environment: *Viviparus georgianus* 7454

USA, Idaho,
 Aquaculture: *Salmo gairdneri* 13700
 Environmental effects: *Oncorhynchus tshawytscha* 4107
 Environmental effects: *Salmo gairdneri* 4107
 Fisheries data: *Oncorhynchus tshawytscha* 13698
 Fisheries data: *Salmonidae* 13866
 Fisheries statistics: *Oncorhynchus tshawytscha* 13698
 Fishery management: *Oncorhynchus tshawytscha* 13334
 Fishery management: *Salmo gairdneri* 13700
 Fishery surveys: *Salmonidae* 13866
 Hatcheries: *Salmonidae* 13698, 13699
 Palaeontology: *Pisces* 4583
 Population studies: *Oncorhynchus tshawytscha* 13334
 Population studies: *Salmonidae* 13866
 Reservoirs: *Salmo gairdneri* 13700
 Spawning grounds: *Oncorhynchus tshawytscha* 13334
 Sport fishing: *Salmonidae* 13700
 Survival: *Salmonidae* 13699

USA, Idaho, Mission Lake,
 Lead: *Olor columbianus* 11074
 Mortality causes: *Olor columbianus* 11074
 Pollution effects: *Olor columbianus* 11074

USA, Idaho, Moscow,
 Research institutions 3635

USA, Idaho, National Reactor Testing Station,
 Radioactive wastes 594
 Radioactive wastes Dispersion 594
 Radioactive wastes Hydraulics 594

USA, Idaho, Pend Oreille L.,
 Fishery surveys: *Salmonidae* 13868
 Lake fisheries 13868
 Population dynamics: *Oncorhynchus nerka* 13868
 Sport fishing statistics 13868

USA, Idaho, Salmon Falls Creek Reservoir,
 Fishery surveys 13701
 Sport fishing: *Perca flavescens* 13701

Sport fishing: *Salmo gairdneri* 13701
 Sport fishing: *Stizostedion vitreum* 13701
 Zooplankton 13701

USA, Idaho, Salmon R.,
 Nature conservation 7773
 Water resources 7773

USA, Idaho, Selway R.,
 Fishery management: *Salmonidae* 13856
 Migrations: *Salmonidae* 13856
 Population growth: *Salmonidae* 13856
 Sport fishing: *Salmonidae* 13856

USA, Idaho, Silver Creek,
 Fishery management: *Salmonidae* 13867
 Population studies: *Salmonidae* 13867
 Sport fishing: *Salmonidae* 13867

USA, Idaho, Snake R.,
 Fisheries data: *Acipenser transmontanus* 13857
 Fisheries data: *Ictalurus punctatus* 13857
 Fisheries data: *Micropterus dolomieu* 13857
 Fisheries data: *Salmo gairdneri* 13857

USA, Illinois,
 Agriculture 4416
 Anatomy: *Dapsilodus* 10103
 Fertilizers 8702
 Fish culture: *Cyprinidae* 13638
 Fish culture: *Ictalurus punctatus* 13638
 Fish culture: *Micropterus salmoides* 13638
 Fossils: *Dapsilodus* 10103
 Fossils: *Walliserodus* 10103
 Legislation 8702
 Marketing 8702
 New species: *Dapsilodus* 10103
 New species: *Walliserodus* 10103
 Nutrients (mineral): *Teleostei* 13638
 Palaeontology 10103
 Ponds 13638
 Sedimentation 4416
 Sewage: *Teleostei* 13638
 Standardization 8702
 Water quality 8702

USA, Illinois, Kishwaukee R.,
 Albinism Morphology (organisms): *Orconectes virilis* 1441

USA, Illinois, Kiskiminetas R.,
 Mathematical models 7055
 pH 7055

USA, Indiana,
 Biological control: *Ctenopharyngodon idella* 5544

USA, Indiana, Michigan L.,
 Food composition: *Alosa pseudoharengus* 4151
 Stomach contents: *Alosa pseudoharengus* 4151

USA, Indiana, Posey County,
 Conservation: *Etheostoma squamiceps* 9350
 Geographical distribution: *Etheostoma squamiceps* 9350

USA, Indiana, Vigo County,
 Autecology: *Ericymba buccata* 9624
 Feeding behaviour: *Ericymba buccata* 9624
 Seasonal variations: *Ericymba buccata* 9624
 Stomach contents: *Ericymba buccata* 9624

USA, Indiana, West Little Sugar Creek,

Industrial wastes 4331

Pollutants 4331

Runoff 4331

USA, Indiana, White R.,Growth rate: *Pisces* 5505Pollution effects: *Pisces* 5505Thermal effects: *Pisces* 5505**USA, Inland waters,**Autecology: *Craspedacusta sowerbii* 9167Blood: *Amia calva* 11797Blood: *Lepisosteus oculatus* 11797

Check lists 8655

Check lists: *Astacidae* 3963Check lists: *Cambaridae* 3963Colour: *Lethenteron meridionale* 11764

Ecology 8655

Ecosystems 8655

Environmental factors: *Craspedacusta sowerbii* 9167Geographical distribution: *Dicamptodon* 10662Life cycle: *Craspedacusta sowerbii* 9167Morphology (organisms): *Dicamptodon* 10662Muscular system: *Lethenteron meridionale* 11764New species: *Lethenteron meridionale* 11764Physiology: *Amia calva* 11797Physiology: *Lepisosteus oculatus* 11797Research programmes: *Craspedacusta sowerbii* 9167**USA, Iowa,**Abundance: *Invertebrata* 9797Habitat: *Invertebrata* 9797Marshes: *Invertebrata* 9797

Pesticides 8733

Pollution surveys 8733

Sands 12707

Sediment sampling 12707

Suspended matter 12707

Vegetation cover: *Invertebrata* 9797**USA, Iowa, Clear L.,**Feeding behaviour: *Cyprinidae* 13266Feeding behaviour: *Percichthyidae* 13266Feeding behaviour: *Percidae* 13266**USA, Iowa, Inland waters,**

Nutrients (mineral) 7006

Water analysis (chemical) 7006

USA, Iowa, Iowa R.,

Boats 10061

Sport fishing 10061

Traps 10061

USA, Iowa, West Okobij,Parasites: *Posthodiplostomum minimum* 6069Strains: *Lepomis macrochirus* 6069**USA, Kansas,**Conservation: *Pisces* 3361Morphology (organisms) Fossils: *Parachaetetes* 1307**USA, Kentucky,**Colour: *Cambarus batchi* 8250Ecology: *Cambarus batchi* 8250Life cycle: *Cambarus batchi* 8250New species: *Cambarus batchi* 8250**USA, Kentucky, Inland waters,**Benthos Energy flow: *Pisces* 456Metabolism Energy flow: *Pisces* 456Production (biological) Biomass: *Pisces* 456**USA, Kentucky, Kentucky Reservoir,**

Reservoirs Water quality 588

Water analysis (biological) Reservoirs 588

USA, Louisiana,

Directories 3652

Growth regulators Pest control: *Psorophora columbiana* 2334Interstitial environment: *Algae* 5380Interstitial environment: *Protozoa* 5380Life cycle Keys: *Nepidae* 2724Public health: *Hepatitis-A* 7884

Research programmes 3652

USA, Louisiana, Maurepas L.,Community composition: *Mollusca* 4090**USA, Louisiana, Pontchartrain L.,**Community composition: *Mollusca* 4090**USA, Maine,**Aquaculture: *Oncorhynchus tshawytscha* 2115Fishery management: *Salmo salar* 7771

Lakes 2364

New records: *Aeshna subarctica* 1631New records: *Enallagma carunculatum* 1631New records: *Somatochlora cingulata* 1631

Sediment analysis 2364

Water analysis (chemical) 2364

USA, Maine, Augusta,

Conferences 10127

USA, Maine, Back R.,

Hydraulics 3229

Thermal pollution 3229

Water mixing 3229

USA, Maryland,

Oil spills Legislation 669

Oil spills Pollution control 669

USA, Maryland, Baltimore,

Algal blooms Water quality 2011

Water quality Reservoirs: *Algae* 2011**USA, Maryland, Hamilton Run,**Morphology (organisms): *Semotilus margarita* 10561Reproductive behaviour: *Semotilus margarita* 10561Seasonal variations: *Semotilus margarita* 10561Sexual dimorphism: *Semotilus margarita* 10561**USA, Maryland, Nanticoke R.,**

Thermal pollution Thermal plumes 587

USA, Maryland, Patuxent Estuary,

Sedimentation 10220

USA, Maryland, Patuxent R.,

Biodegradation 4325

Detergents 4325

USA, Maryland, Potomac R.,

Benthos 5356

USA, Massachusetts,

Chemical oceanography 12618

Food organisms: *Cyanophyceae* 10842

- Grazing: *Talorchestia longicornis* 10842
 Oceanographic institutions 12618
 Population density: *Talorchestia longicornis* 10842
 Research programmes 12618
 Salt marshes: *Talorchestia longicornis* 10842
- USA, Massachusetts, Boston,**
 Conferences: *Salmo salar* 6951
 Research institutions 3631
- USA, Massachusetts, Cambridge,**
 Coastal zone 4589
 Research programmes 3649
- USA, Massachusetts, Cape Cod,**
 Marine ecology: *Algae* 6389
- USA, Massachusetts, Dartmouth,**
 Geographical distribution: *Gobionellus boleosoma* 8497
- USA, Massachusetts, Fort R.,**
 Ecosystems 10995
 Food chains 10995
 Primary production 10995
- USA, Massachusetts, Inland waters,**
 Chemical composition: *Tintinnida* 12790
 Morphology (organisms): *Tintinnida* 12790
- USA, Massachusetts, Essex Bay,**
 Fishery economics 4535
 Fishery resources 4535
- USA, Michigan,**
 Commercial fishing 4572
 Community composition 7747
 Feeding behaviour Vertical migrations: *Daphnia* 1664
 Fishery surveys 2441
 Freshwater pollution 4318
 Geographical distribution Taxonomy: *Physidae* 181
 Hosts: *Chaetogaster limnaei* 8155
 Hosts: *Dugesia dorotocephala* 8155
 Hosts: *Dugesia tigrina* 8155
 Hosts: *Ferrissia rivularis* 8155
 Hosts: *Laevapex fuscus* 8155
 Lakes 2441
 Larvae: *Aedes stimulans-fitchii* 10888
 Marshes 7747
 Mathematical models: *Aedes stimulans-fitchii* 10888
 New species: *Cercariaeum* 8155
 Parasites: *Cercariaeum* 8155
 Pollution monitoring 4318
 Ponds: *Aedes stimulans-fitchii* 10888
 Population dynamics: *Aedes stimulans-fitchii* 10888
 Radioactive wastes 4318
 Sediment analysis 4318
 Succession 7747
 Water resources 2441
- USA, Michigan, Detroit,**
 Oil pollution Education 673
 Oil spills Education 673
 Oil spills Industrial wastes 673
 Oil spills Pollution control 673
- USA, Michigan, Douglas L.,**
 Environmental effects: *Protozoa* 13168
 Habitat: *Protozoa* 13168
- USA, Michigan, Douglas L., North Fishtail Bay,**
 Epilimnion Sedimentation 1152
- USA, Michigan, Douglas Lake,**
 Dispersion Migrations: *Physa integra* 354
- USA, Michigan, Frains Lake,**
 Environmental effects: *Bosmina longirostris* 4106
 Seasonal variations: *Bosmina longirostris* 4106
- USA, Michigan, Inland waters,**
 Ecosystems 13128
 Eutrophication 13128
 Geographical distribution: *Lymnaea stagnalis* 5188
 Remote sensing 13128
 Trophic levels 13128
- USA, Michigan L.,**
 Lead 8721
 Mathematical models 8721
 Sediment analysis 8721
- USA, Michigan L., Green Bay,**
 Digestion: *Alosa pseudoharengus* 13267
 Feeding behaviour: *Alosa pseudoharengus* 13267
 Zooplankton: *Alosa pseudoharengus* 13267
- USA, Michigan, Lawrence L.,**
 Abundance: *Cladocera* 8617
 Population dynamics: *Cladocera* 8617
 Seasonal variations: *Cladocera* 8617
- USA, Michigan, McCormick Experimental Forest,**
 Hosts: *Bufo americanus* 7144
 New records: *Trypanosoma bufophlebotomi* 7144
 New records: *Trypanosoma schmidtii* 7144
 New species: *Trypanosoma pseudopodium* 7144
 Parasites: *Trypanosoma pseudopodium* 7144
- USA, Michigan, Pine R.,**
 Migrations: *Salmo trutta* 10738
 Population density: *Salmo trutta* 10738
- USA, Michigan, Wintergreen L.,**
 Anaerobic bacteria 3833
 Sediment-water interface: *Bacteria* 3833
- USA, Miching, St. Joseph R.,**
 Methodology: *Algae* 6634
 Water quality control 6634
- USA, Minnesota,**
 Bibliographies: *Micropterus salmoides* 1486
 Freshwater ecology: *Micropterus salmoides* 1486
 Geochemistry 11411
 Microorganisms 5330
 Regional variations 11411
 Sediment analysis 11411
- USA, Minnesota, Arco L.,**
 Vertical distribution: *Bacteria* 5330
- USA, Minnesota, Christmas L.,**
 Morphology (organisms): *Anabaena curva* 9135
 Morphology (organisms): *Anabaena fusca* 9137
 New species: *Anabaena curva* 9135
 New species: *Anabaena fusca* 9137
 Ontogeny: *Anabaena curva* 9135
 Plankton: *Anabaena fusca* 9137
- USA, Minnesota, Elk L.,**

Ecology 12513

Fossils 12513

Limnology 12513

USA, Minnesota, Inland waters,

Carbon 8794

Water analysis (chemical) 8794

USA, Minnesota, Lake of the Woods,

Fishery surveys: *Lota lota* 4502

Life cycle: *Lota lota* 4502

Population parameters: *Lota lota* 4502

USA, Minnesota, Marcell Experimental Forest,

Marshes 7979

Nutrients (mineral) 7979

River flow 7979

Water quality 7979

USA, Minnesota, Minnetonka L., Halstead Bay,

Horizontal distribution: *Algae* 11904

Phytoplankton 11904

Wind-driven currents 11904

USA, Minnesota, Osakis L.,

Life cycle: *Stizostedion vitreum* 12989

Spawning: *Stizostedion vitreum* 12989

Survival: *Stizostedion vitreum* 12989

USA, Minnesota, Red L.,

Growth rate: *Perca flavescens* 10821

USA, Minnesota, Rice Marsh L.,

Abundance: *Anabaena perturbata* 9136

Morphology (organisms): *Anabaena perturbata* 9136

New species: *Anabaena perturbata* 9136

USA, Minnesota, Shagawa L.,

Air-water interface 7973

Carbon dioxide 7973

USA, Minnesota, Shetek L.,

Artificial aeration 13515

Dissolved oxygen 13515

Habitat improvement 13515

Mortality causes: *Pisces* 13515

USA, Minnesota, Zumbro R.,

Geographical distribution: *Piscicola reducta* 10867

Hosts: *Etheostomatini* 10867

New records: *Piscicola reducta* 10867

Parasites: *Piscicola reducta* 10867

USA, Mississippi,

Alkalinity 3731

Aquaculture Economics: *Ictalurus punctatus* 2101

Aquatic plants 7106, 8093

Benthos 4307

Legislation 4558, 4559, 4560, 4561, 4562, 4563, 4564, 4565

Navigation regulations 4563

Plankton 4307

Reservoirs - 4307

Water hardness 3731

USA, Mississippi, Biloxi,

Conferences 12357

USA, Mississippi, Jourdan R.,

Ecology: *Notropis longirostris* 5179

Environmental factors: *Notropis longirostris* 5179

Feeding: *Notropis longirostris* 5179

USA, Mississippi R.,

Fisheries: *Aves* 4396

Fisheries: *Osteichthyes* 4396

Population dynamics: *Tabanidae* 8615

USA, Missouri,

Evolution: *Articulata* 9180

Morphology (organisms): *Articulata* 9180

Palaeontology: *Articulata* 9180

Palaeontology: *Chondrites* 9072

Sedimentation: *Chondrites* 9072

USA, Missouri, Flat Branch Creek,

Phosphates 9082

Sediment analysis 9082

USA, Missouri, Missouri R.,

Pollution effects: *Pisces* 6723

USA, Missouri, Niangua R.,

Ageing methods: *Cryptobranchus alleganiensis* 10809

Growth rate: *Cryptobranchus alleganiensis* 10809

Population structure: *Cryptobranchus alleganiensis* 10809

Sexual maturity: *Cryptobranchus alleganiensis* 10809

USA, Missouri R.,

Channels 4398

Check lists: *Culicidae* 9323

Geographical distribution: *Culicidae* 9323

Sewage effluents 12279

USA, Monongehela R.,

Fishery surveys Pollution surveys: *Osteichthyes* 2153

Fishery surveys Population parameters:

Osteichthyes 2153

Fishery surveys Water quality: *Osteichthyes* 2153

USA, Montana,

Check lists: *Plecoptera* 1630

New records: *Plecoptera* 1630

USA, Montana, Bighorn Lake-Yellowtail Dam,

Primary production: *Algae* 5394

USA, Montana, East Gallatin R.,

Hermaphrodites: *Catostomus platyrhynchus* 6247

USA, Montana, Flathead L.,

Aquatic communities 13116

Limnology 13116

Plankton 13116

Population dynamics: *Pisces* 13116

USA, Montana, Inland waters,

Ice: *Bacteria* 10277

Temperature tolerance: *Bacteria* 10277

USA, Nebraska,

Hybridization: *Rana pipiens* 10899

Morphology (organisms): *Rana pipiens* 10899

Serological studies: *Rana pipiens* 10899

Speciation: *Rana pipiens* 10899

Water resources 4576

USA, Nebraska, Inland waters,

Methodology 13491

Pollution control 13491

Runoff 13491

USA, Nebraska, Interstate 80 Highway Lakes,

Hydrology 12464

Lake fisheries 12464

Sport fishing 12464

USA, Nebraska, McConanghy L.,

Abnormalities: *Salmo gairdneri* 6206

Hosts: *Salmo gairdneri* 6206

Parasites: *Salmo gairdneri* 6206

USA, Nebraska, Missouri R.,

Chemical composition 8014

Dissolved materials 8014

Hydrology 8014

River discharge 8014

Suspended matter 8014

Water quality 8014

USA, Nevada,

Invertebrate larvae Morphology (organisms): *Utaperla*

sopladora 1476

Larvae Metamorphosis: *Eubrianax edwardsi* 1480

New records Geographical distribution: *Eubrianax edwardsi* 1480

USA, Nevada, Carson R.,

Bioaccumulation 4330

Mercury 4330

Pollution monitoring 4330

USA, Nevada, Mead L.,

Check lists: *Dorosoma petenense* 5661

Fisheries resources: *Dorosoma petenense* 5661

Traps: *Dorosoma petenense* 5661

USA, New Brunswick, Tantramar Marshes,

Diseases: *Plasmodium circumflexum* 8588

Hosts: *Culiseta morsitans* 8588

Parasites: *Plasmodium circumflexum* 8588

Spores: *Culiseta morsitans* 8588

USA, New England,

Dredging 9955

Environmental effects 9955

Environmental effects: *Salmo salar* 7395

Fish culture: *Salmo salar* 7800

Fishery economics: *Macrozoarces americanus* 11270

Habitat improvement 7764

Habitat improvement: *Salmo salar* 7393

Hatcheries: *Salmo salar* 7800

Marketing: *Macrozoarces americanus* 11270

Resource management 7764

Resource management: *Salmo salar* 7395

Rivers 7764

Spawning: *Salmo salar* 7395

Stocking: *Salmo salar* 7801, 7802

Water quality 7393

Watersheds 7763

USA, New England, Connecticut River,

Aquatic communities 4756

Freshwater ecology: *Algae* 4756

USA, New Hampshire,

Fishery management 3632

Research institutions 3632

USA, New Hampshire, Inland waters,

Sediment analysis 5865

Water analysis (chemical) 5865

USA, New Hampshire, Mirror L.,

Zooplankton Habitat 3084

USA, New Hampshire, Stonehouse Pond,

Excretion 13349

Phosphorus 13349

Zooplankton 13349

USA, New Jersey,

Industrial wastes Oil spills 668

Legislation Oil pollution 668

Oil pollution Industrial wastes 668

Oil pollution Waste disposal 668

Oil spills Pollution control 528

Pollution control Equipment 528

Pollution control Research programmes 528

USA, New Jersey, Barnegat R.,

Check lists: *Pisces* 4479

Community composition: *Pisces* 4479

Fishery surveys: *Pisces* 4479

Limnology 4479

USA, New Jersey, Passaic R.,

Artificial aeration 4301

Mathematical models 3698

Water quality 3698

USA, New Mexico, Conchas L.,

New species: *Orconectes deanae* 3966

USA, New York,

Conferences 5730

Education 4588

Lakes Stocking: *Stizostedion vitreum* 2116

Morphology (organisms): *Lymnaea palustris* 5309

Population genetics: *Lymnaea palustris* 5309

Radioactive wastes: *Cambarus robustus* 11082

Radioactive wastes: *Orconectes obscurus* 11082

USA, New York, Buffalo,

Oil removal Boats 541

USA, New York, Buffalo R.,

Currents 13416

Oil pollution 13416

Pollution control 13416

USA, New York, Cayuga L.,

Community composition 8793

Environmental effects: *Myriophyllum* 8793

Geographical distribution: *Manayunkia speciosa* 8518

Sediment distribution 8793

Storms 8793

Succession 8793

USA, New York, Chautauqua L.,

Numerical analysis 13938

Sediment analysis 13938

USA, New York, Fall Creek,

Phosphorus 8788

Pollution monitoring 8788

River flow 8788

USA, New York, George L.,

Ecology: *Osmerus mordax* 7391

Primary production Epiphytes: *Algae* 1908

Spawning migrations: *Osmerus mordax* 7391

USA, New York, Hudson R.,

Chromosomes: *Fundulus diaphanus* 7505

Environmental effects: *Morone saxatilis* 11140

Mathematical models: *Morone saxatilis* 11140

Population genetics: *Fundulus diaphanus* 7505

Reservoirs 5528

Resource development 11140

USA, New York, Moe Pond,

Population dynamics: *Helisoma anceps* 5306

USA, New York, Montauk,

Conferences 4425

USA, New York, Montauk L.,

Air-water interface 3787

Energy budgets 3787

USA, New York, Montezuma Natl.Wildl.Refuge,

Abundance: *Invertebrata* 9720

Benthos: *Invertebrata* 9720

Reproduction: *Aves* 9720

Seasonal variations: *Invertebrata* 9720

USA, New York, Oneida L.,

Abundance: *Pisces* 7495

Age distribution: *Stizostedion vitreum* 10890

Community composition: *Pisces* 7495

Ecology: *Perca flavescens* 10822

Food consumption: *Perca flavescens* 10854

Growth: *Perca flavescens* 10822

Growth rate: *Perca flavescens* 10854

Oxygen depletion: *Perca flavescens* 10854

Population dynamics: *Pisces* 7495

Recruitment: *Stizostedion vitreum* 10890

Sampling (biological) Ichthyoplankton: *Stizostedion vitreum* 1008

Zooplankton: *Perca flavescens* 10822

USA, New York, Onondaga L.,

Phosphorus 11100

Phytoplankton 11100

Pollution effects 11100

USA, New York State,

Check lists: *Mollusca* 5385

Life cycle: *Amnicola limosa* 7390

USA, New York, Wallkill R.,

Growth: *Saprolegniaceae* 10975

Seasonal variations: *Saprolegniaceae* 10975

Temperature effects: *Saprolegniaceae* 10975

USA, North Carolina,

Abundance: *Culicoides* 9321

Channels 4172

Environmental factors: *Culicoides* 9321

Geographical distribution: *Acilius fraternus* *dismalus* 12927

Geographical distribution: *Cambaridae* 2692

Life cycle: *Archilestes grandis* 12926

Life cycle: *Lestes disjunctus australis* 12926

Life cycle: *Lestes vigilax* 12926

Marshes 4172

Morphology (organisms): *Cambaridae* 2692

Mortality causes: *Salvelinus fontinalis* 11139

New species: *Cambaridae* 2692

New species: *Urocleidus nactus* 6034

Palaeontology: *Mulinia lateralis* 5297

Parasites: *Erimyzon oblongus* *Cestoda* 1794

Parasites: *Urocleidus nactus* 6034

pH: *Salvelinus fontinalis* 11139

Pollution control 4377

Pollution effects: *Salvelinus fontinalis* 11139

Research institutions 3630

Research programmes 3630

Runoff Pollution control 2015

Runoff Water pollution 2015

Runoff Water quality 2015

Salt marshes: *Spartina* 9321

Seasonal variations: *Culicoides* 9321

Sewage effluents 4377

Size distribution: *Mulinia lateralis* 5297

Taxonomy: *Acilius fraternus* *dismalus* 12927

Waste water 4377

Water resources 3630

USA, North Carolina, Inland waters,

Aquaculture: *Salmo gairdneri* 13703

Conservation: *Salmo gairdneri* 13703

Resource management: *Salmo gairdneri* 13703

USA, North Carolina, Neuse R.,

Ecosystems 13441

Microorganisms 13441

Nekton 4230

Pollution effects 13441

Water analysis (biological) 13441

USA, North Carolina, Pamlico Estuary,

Community composition 8651

Estuaries 8651

USA, North Carolina, Raleigh L.,

Parasites: *Erimyzon oblongus* 13300

Parasites: *Monobothrium ulmeri* 13300

Seasonal variations: *Monobothrium ulmeri* 13300

USA, North Carolina, Tennessee R.,

Geographical distribution: *Etheostoma acuticeps* 10710

USA, North Carolina, White L.,

Morphology (organisms): *Enallagma minusculum* 3980

USA, North Dakota, Oahe L.,

Population dynamics Stomach content: *Ictalurus punctatus* 7500

Reservoirs 6990

Reservoirs Benthos: *Invertebrata* 7549

Reservoirs Commercial fishing: *Osteichthyes* 7781

Reservoirs Community composition: *Invertebrata* 7549

Reservoirs Ecology 7607

Reservoirs Limnological data: *Crustacea* 7540

Reservoirs Zooplankton: *Crustacea* 7540

Water analysis (chemical) 6990

Zooplankton Community composition: *Crustacea* 7540

USA, North Dakota, Sheyenne R.,Geographical distribution: *Gastropoda* 11598Geographical distribution: *Sphaeriacea* 11598Geographical distribution: *Unionacea* 11598**USA, Ohio,**Aggressive behaviour: *Semotilus atromaculatus* 10766Environmental effects: *Invertebrata* 4327Environmental effects: *Osteichthyes* 4327Habitat: *Semotilus atromaculatus* 10766Insecticides: *Lestes congener* 8776Insecticides: *Notonecta undulata* 8776Insecticides: *Peltodytes* 8776Mercury: *Pisces* 5491Oxygen consumption: *Invertebrata* 4316Regional variations: *Semotilus atromaculatus* 10766Reproductive behaviour: *Semotilus atromaculatus* 10766

Water pollution 4327

USA, Ohio, Columbus,

Cost analysis 7065

Light penetration 7065

Pond construction 7065

Salinity 7065

Solar radiation 7065

Water temperature 7065

USA, Ohio, Erie L.,

Fishery surveys 4480

USA, Ohio, Inland waters,

Geology 10234

Mineralogy 8021

River flow 10234

Suspended matter 8021

USA, Ohio, Lake Erie,Bioaccumulation: *Pisces* 7666Mercury: *Pisces* 7666**USA, Oklahoma,**Feeding behaviour: *Etheostoma* 10835

Ground water Electrical conductance 2006

Ground water Salts 2006

Habitat: *Etheostoma* 10835Life cycle: *Simulium virgatum* 4999New species: *Acanthocephalus tahlequahensis* 6037Parasites: *Acanthocephalus tahlequahensis* 6037Population dynamics: *Simulium virgatum* 4999

Salts Water pollution 2006

Stimuli: *Etheostoma* 10835Water colour: *Etheostoma* 10835**USA, Oklahoma, Honey Creek,**Drift organisms: *Diptera* 11707Larvae: *Diptera* 11707Light effects: *Diptera* 11707Seasonal variations: *Diptera* 11707**USA, Oklahoma, Inland waters,**

Aquaculture 4401

Runoff 4401

Water quality 4401

USA, Oklahoma, Kiamichi R.,Communities: *Pisces* 13379**USA, Oklahoma, Texoma L.,**Hosts: *Aplodinotus grunniens* 10868Hosts: *Ictalurus punctatus* 10868New records: *Piscicolidae* 10868Parasites: *Piscicolidae* 10868**USA, Ontario L.,**

Hydrodynamics 3773

Water circulation 3773

USA, Oregon,Check lists: *Plecoptera* 4213

Coastal zone 3661

Environmental effects: *Plecoptera* 4213**USA, Oregon, Cline's Pond,**Ecosystems: *Algae* 13391

Eutrophication 13391

Farm ponds 13391

USA, Oregon, Columbia R.,Diseases: *Alosa sapidissima* 13306Diseases: *Oncorhynchus nerka* 13306Diseases: *Salmo gairdneri* 13306Juveniles: *Oncorhynchus tshawytscha* 13265Stomach content: *Oncorhynchus tshawytscha* 13265Temperature effects: *Gasterosteus aculeatus* 9903Temperature effects: *Perca flavescens* 9903Temperature tolerance: *Gasterosteus aculeatus* 9903Temperature tolerance: *Perca flavescens* 9903Zooplankton: *Oncorhynchus tshawytscha* 13265**USA, Oregon, Huleh, L.,**

Mercury Sediment analysis 1960

USA, Oregon, Portland,

Conferences 3661

USA, Oregon, Spencer Creek,New records: *Pimephales promelas* 13143**USA, Oregon, Waterloo Falls,**Life cycle Locomotion: *Tropisternus ellipticus* 1468**USA, Oregon, Willamette R. basin,**

Data acquisition 3703

Surveys 3703

Water quality 3703

USA, Pennsylvania,Food organisms: *Barypeithes pellucidus* 11979Food organisms: *Plethodon wehrlei* 11979Ontogeny: *Plethodon wehrlei* 11979Seasonal variations: *Plethodon wehrlei* 11979**USA, Pennsylvania, Conowingo Pond,**

Freshwater ecology 13508

Water level 13508

USA, Pennsylvania, Edinboro L.,

Limnological data 12056

Phytoplankton: *Asterionella formosa* 12056Population growth: *Asterionella formosa* 12056Subpopulation: *Asterionella formosa* 12056**USA, Pennsylvania, Juniata R.,**New species: *Eimeria juniataensis* 6036Parasites: *Eimeria juniataensis* 6036Parasites: *Graptomys geographica* 6036**USA, Pennsylvania, Linesville Creek,**Diurnal rhythm: *Chironomidae* 9319Ponds: *Chironomidae* 9319Sampling (biological): *Chironomidae* 9319

USA, Pennsylvania, Muddy Run,

Reservoirs 13508

Water resources 13508

USA, Pennsylvania, Susquehanna R.,

Hosts: *Carpoides cyprinus* 8156

New species: *Janiszewskella fortobothria* 8156

New species: *Rowardleus pennensis* 8156

Parasites: *Janiszewskella fortobothria* 8156

Parasites: *Rowardleus pennensis* 8156

USA, Philadelphia, Lehigh Univ.,

Education 10108

Marine engineering 10108

USA, Platte R.,

Check lists: *Culicidae* 9323

Geographical distribution: *Culicidae* 9323

USA, South Carolina,

Condition factor: *Centrarchidae* 8750

Feeding behaviour: *Centrarchidae* 8750

Indicator organisms Pollution control 706

Insecticides: *Simuliidae* 9959, 10866

Larvae: *Simuliidae* 10866

Microorganisms Pollution control 706

New records: *Mermithidae* 10866

Parasites: *Simuliidae* 10866

Radioactive pollution 6665

Rivers 6665

Rivers Pollution monitoring 582

Rivers Water analysis (chemical) 582

Rivers Water pollution 582

Shellfish culture: *Macrobrachium rosenbergii* 13714

Stomach contents: *Centrarchidae* 8750

Temperature tolerance: *Centrarchidae* 8750

Thermal pollution: *Centrarchidae* 8750

Water pollution Indicator organisms 706

Water pollution Pollution control 706

Water pollution Predictions 582

USA, South Carolina, Boone Creek,

Oil spills Mortality causes: *Osteichthyes* 626

USA, South Carolina, Savannah R.,

Nutrients (mineral): *Bacteria* 7404

Temperature effects: *Bacteria* 7404

USA, South Carolina, South Island,

Growth rate: *Sciaenops ocellata* 13234

Marshes: *Sciaenops ocellata* 13234

USA, South Dakota, Oahe L.,

Fish catch statistics Reservoirs: *Osteichthyes* 7781

Fishery surveys Age composition: *Osteichthyes* 7843

Fishery surveys Check lists: *Osteichthyes* 7843

Fishery surveys Community composition:

Osteichthyes 7843

Fishery surveys Population parameters:

Osteichthyes 7843

Growth rate Population parameters: *Ictiobus*

cyprinellus 7498

Habitat improvement 6990

Population dynamics Stomach content: *Ictalurus*

punctatus 7500

Population parameters Age composition:

Osteichthyes 7434

Population parameters Life cycle: *Hiodon*

alosoides 7499

Reservoirs Benthos: *Invertebrata* 7549

Reservoirs Ecology 7607

Reservoirs Fishery surveys: *Hiodon alosoides* 7499

Reservoirs Fishery surveys: *Osteichthyes* 7788, 7843

Reservoirs Geographical distribution: *Ictiobus*

cyprinellus 7498

Reservoirs Growth rate: *Ictiobus cyprinellus* 7498

Reservoirs Zooplankton: *Crustacea* 7540

Traps Experimental fishing: *Ictiobus* 7789

Water analysis (chemical) 6990

USA, South Dakota, Poinsett L.,

Feeding behaviour: *Ictalurus melas* 10844

Food chains 10844

Food composition: *Ictalurus melas* 10844

Stomach contents: *Ictalurus melas* 10844

USA, southern states,

Aquaculture 13585

Fish culture 13585

Shellfish culture: *Procambarus* 13585

USA, Superior L.,

Hydrodynamics 3773

Water circulation 3773

USA, Susquehanna R.,

Hydraulic engineering 6620

Mathematical models 6620

Thermal pollution 6620

Water temperature 6620

USA, Tahoe L.,

Eutrophication Eutrophication 656

Eutrophication Water quality: *Oncorhynchus nerka* 656

USA, Tahoe L., Indian Creek Reservoir,

Eutrophication Lakes 654

Eutrophication Reservoirs 654

Reservoirs Water quality 654

USA, Tennessee,

Cadmium: *Trionyx spinifer* 7706

Ecology Geographical distribution: *Amphibia* 1578

Microbial contamination Chemical pollutants 1958

Parasites Life cycle: *Cercaria Mollusca* 1795

Pollution effects: *Trionyx spinifer* 7706

Sewage effluents Pollution surveys 1959

Taxonomy: *Amphibia* 1578

USA, Tennessee, Center Hill Reservoir,

Dissolved oxygen 12712

Phytoplankton 12712

Thermocline 12712

USA, Tennessee, Nickajack Reservoir,

Baseline studies: *Pisces* 10574

Check lists: *Pisces* 10574

Electric fishing: *Pisces* 10574

Gillnets: *Pisces* 10574

USA, Tennessee, Pigeon R.,

Pollution surveys 4340

Water quality 4340

USA, Tennessee, Reelfoot L.,

Bioaccumulation: *Chrysemys scripta* 13446

Community composition: *Bacteria* 13333

DDT: *Chrysemys scripta* 13446
 Pollution effects: *Chrysemys scripta* 13446
 Population dynamics: *Bacteria* 13333
 Seasonal variations: *Bacteria* 13333

USA, Tennessee, Tennessee R.,
 Heavy metals 4334

USA, Tennessee, Upper Stones R.,
 Geographical distribution: *Hirudinea* 8134
 Limnological data 8134

USA, Texas,
 Catch statistics: *Penaeus* 4482
 Check lists: *Tetrapoda* 10668
 Correlation analysis: *Tetrapoda* 10668
 Diurnal rhythm: *Penaeus* 4482
 Environmental effects: *Ancylidae* 8554
 Environmental factors: *Tetrapoda* 10668
 Erosion control: *Angiospermae* 5550
 Feeding: *Lepomis macrochirus* 7442
 Geographical distribution: *Pulmonata* 11877
 Growth: *Ancylidae* 8554
 Life cycle: *Ancylidae* 8554
 New records: *Ferrissia fragilis* 11877
 New records: *Hebetancylus excentricus* 11877
 New records: *Laevapex fuscus* 11877
 Oil spills Education 674
 Oil spills Pollution control 674
 Pollution effects: *Physa virgata* 8718
 Population dynamics: *Physa virgata* 8718
 Reproduction: *Ancylidae* 8554
 Resource development 3633
 Springs 3816
 Temperature effects: *Physa virgata* 8718
 Thermal pollution: *Physa virgata* 8718
 Topography: *Tetrapoda* 10668
 Waste water Resource management 2873
 Water management 3633
 Water resources 3633, 3816

USA, Texas, Arlington L.,
 Subpopulation: *Physa virgata* 13340
 Temperature tolerance: *Physa virgata* 13340
 Thermal pollution: *Physa virgata* 13340

USA, Texas, Brazos R.,
 New records: *Procambarus hinei* 3964
 New records: *Procambarus incilis* 3964
 New species: *Procambarus brazoriensis* 3964

USA, Texas, Clear Lake,
 Parasites: *Leiostomus xanthurus* 8605

USA, Texas, College Station,
 Oceanographic institutions 6939
 Oceanographic institutions Research programmes 17

USA, Texas, Corpus Christi,
 Biochemistry: *Aurelia aurita* 6541
 Taxonomy: *Aurelia aurita* 6541

USA, Texas, Grimes County,
 Geology Ground water 104
 Ground water Water quality 104
 Ground water Water resources 104

USA, Texas, Inland waters,
 New species: *Branchinella sublettei* 6139

USA, Texas, Kerr County,
 Evolution: *Eurycea neotenes* 10881
 Life cycle: *Eurycea neotenes* 10881
 Population structure: *Eurycea neotenes* 10881
 Reproduction: *Eurycea neotenes* 10881
 Size distribution: *Eurycea neotenes* 10881

USA, Texas, Lyndon B. Johnson L.,
 Thermal pollution Pollution control 2022

USA, Texas, Mustang L.,
 Habitat: *Uca* 9581
 Temperature: *Uca* 9581

USA, Texas, Nasworthy L.,
 Length-weight relationships: *Lepomis macrochirus* 2979
 Length-weight relationships: *Pomoxis annularis* 2979

USA, Texas, Phantom L.,
 New species: *Gammarus hyalelloides* 8267

USA, Texas, Presidio County,
 Blood: *Reptilia* 8469
 Ions: *Reptilia* 8469
 pH: *Reptilia* 8469

USA, Texas, Rio Grande,
 Speciation: *Cichlidae* 8623
 Sympatric populations: *Cichlasoma cyanoguttatum* 8623

USA, Texas, Texoma L.,
 Biomass: *Menidia audens* 10592
 Fish larvae: *Menidia audens* 10592
 Reproduction: *Menidia audens* 10592

USA, Utah,
 New records: *Branchinecta* 8512
 Water management 3181
 Water quality 3181

USA, Utah, Deer Creek Reservoir,
 Mathematical models 7056
 Reservoirs 7056

USA, Utah, Great Salt L.,
 Nutrients (mineral) 10970
 Phytoplankton 10970
 Primary production 10970
 Seasonal variations 10970

USA, Utah, Great Salt Lake,
 Brackish water: *Aphanotece halophytica* 11460
 Salinity tolerance: *Aphanotece halophytica* 11460

USA, Utah, Tahoe L.,
 Eutrophication 12276
 Water quality 12276

USA, Utah, Timpanogos Cave,
 New records: *Diatomeae* 7352

USA, Utah, Uinta Mountains,
 Resource conservation 5551

USA, Utah, Wasatch Mountains, Mill Creek,
 Autecology: *Zapada* 9318
 Geographical distribution: *Zapada* 9318
 Life cycle: *Zapada* 9318
 Seasonal variations: *Zapada* 9318

USA, Utah, Weber R.,
 Life cycle: *Catostomus* 10594

- Reproductive organs: *Catostomus* 10594
 Seasonal variations: *Catostomus* 10594
 Sexual reproduction: *Catostomus* 10594
- USA, Virginia,**
 Check lists: *Pisces* 4091
 Ecology: *Enneacanthus chaetodon* 4094
 Geographical distribution: *Acilius fraternus*
dismalus 12927
 Geographical distribution: *Diaptomus pallidus* 4093
 Geographical distribution: *Diaptomus pygmaeus* 4093
 Geographical distribution: *Pisces* 4091
 Life cycle Rivers: *Nigronia fasciata* 243
 New records: *Enneacanthus chaetodon* 4094
 New species: *Acilius fraternus dismali* 12927
 Oceanographic institutions Research programmes 15
 Thermal pollution: *Lepomis macrochirus* 7725
 Thermal springs: *Insecta* 1469
 Thermoregulation: *Lepomis macrochirus* 7725
- USA, Virginia, Anne L.,**
 PCB Pollution monitoring 584
- USA, Virginia, Chesterfield County, Apponmattox R.,**
 Freshwater ecology: *Algae* 12755
 Taxonomy: *Algae* 12755
- USA, Virginia, Chickahominy Reservoir,**
 Herbicides 5449
 Pollution effects 5449
 Pollution monitoring 5449
- USA, Virginia, East R.,**
 Geographical distribution: *Pisces* 4092
 New records: *Pisces* 4092
- USA, Virginia, New R.,**
 Communities: *Invertebrata* 3104
 Environmental effects: *Invertebrata* 3104
 Horizontal distribution: *Pisces* 8752
 Pollution 8766
 Pollution effects: *Pisces* 8766
 Temperature tolerance: *Pisces* 5527
 Thermal pollution 8752
 Thermal pollution: *Pisces* 5527
 Water quality Surveys: *Pisces* 962
- USA, Virginia, Smith Mountain Reservoir,**
 Freshwater ecology 13509
 Reservoirs 13509
 Water resources 13509
 Water temperature 13509
- USA, Virginia, Sylvatica Pond,**
 Dispersion: *Rana clamitans* 9589
 Homing behaviour: *Rana clamitans* 9589
- USA, Virginia, York River,**
 Availability: *Pisces* 8520
 Horizontal distribution: *Pisces* 8520
 Migrations: *Pisces* 8520
- USA, Washington,**
 Agricultural runoff 4336
 Behaviour: *Polycelis coronata* 10769
 Caves: *Polycelis coronata* 10769
 Development: *Rana aurora* 9483
 Hosts: *Callinassa californiensis* 8603
 Hosts: *Decapoda* 8603
- Morphology (organisms): *Polycelis coronata* 10769
 Parasites: *Ascarophis* 8603
 Sexual reproduction: *Rana aurora* 9483
- USA, Washington, D.C.,**
 Research institutions 7940
- USA, Washington, Inland waters,**
 Parasites: *Rhinichthys osculus* 5281
- USA, Washington, Long L.,**
 Eutrophication 5933
 Water analysis (chemical) 5933
 Water analysis (physical) 5933
- USA, Washington, North Cascades,**
 Hydrology 8063, 8064
 Precipitations (atmospheric) 8063, 8064
 Runoff 8063
 Seasonal variations 8064
- USA, Washington, Pullman,**
 Conferences 1106
- USA, Washington, Sammamish L.,**
 Abundance 13371
 Benthos 13371
 Horizontal distribution 13371
 Vertical distribution 13371
- USA, Washington, Seattle,**
 Oceanographic institutions Research programmes 19
 Research institutions 3634, 8922
- USA, Washington, Washington L.,**
 Echosounding Population dynamics: *Oncorhynchus*
nerka 427
 Periphyton: *Bacteria* 12151
 Pigments 5912
 Sediment analysis 5912
 Succession: *Bacteria* 12151
- USA, West Virginia,**
 Age composition: *Percopsis omiscomaycus* 5237
 Flood control 5535
 Genetics: *Algae* 11495
 Geographical distribution: *Calopteryx* 11710
 Geographical distribution: *Chauliodes* 2911
 Geographical distribution: *Nigronia* 2911
 Growth: *Algae* 11495
 Growth rate: *Percopsis omiscomaycus* 5237
 Industrial wastes: *Algae* 11495
 Larvae: *Calopteryx* 11710
 Life cycle: *Esox masquinongy* 4016
 Life cycle: *Stenonema tripunctatum* 8315
 Life cycle: *Stenonema vicarium* 8315
 Morphology (organisms): *Calopteryx* 11710
 New records: *Amphibia* 5159
 Remote sensing Pollution monitoring 1125
 Reservoirs 5535
 Taxonomy: *Amphibia* 5159
 Water analysis (chemical): *Algae* 11495
- USA, West Virginia, Bluestone Dam,**
 Benthos 12087
 Diversity index 12087
 Regional variations 12087
 Rivers 12087
 Water analysis (chemical) 12087

USA, West Virginia, Gilmer Co.,Check lists: *Amphibia* 336Check lists: *Reptilia* 336**USA, West Virginia, Grant County,**Abundance: *Gammaridea* 12088

Benthos 12088

Community composition 12088

Hatcheries 12088

Industrial wastes 12088

Pollution effects 12088

USA, West Virginia, Inland waters,

Limnological data 11321

Parasites: *Neascus rhinichthysi* 10874Parasites: *Rhinichthys atratulus* 10874

Regional variations 11321

Statistical analysis 11321

Water quality 11321

USA, West Virginia, Moncove L.,Age composition: *Micropterus salmoides* 5238Growth rate: *Micropterus salmoides* 5238Length-weight relationships: *Micropterus salmoides* 5238**USA, West Virginia, Moncove Lake,**Abundance: *Crustacea* 5348Check lists: *Crustacea* 5348Zooplankton: *Crustacea* 5348**USA, West Virginia, Monongahela R.basin,**

Regional variations 11322

Seasonal variations 11322

Water analysis (chemical) 11322

Water quality 11322

USA, West Virginia, Otter Creek,Sport fishing statistics: *Salvelinus fontinalis* 2181**USA, West Virginia, Smith's Run,**Community composition: *Algae* 11456Seasonal variations: *Algae* 11456Water analysis (chemical): *Algae* 11456Water hardness: *Algae* 11456**USA, West Virginia, Spruce Knob Lake,**Abundance: *Salmo gairdneri* 12463

Aeration 11426

Aeration: *Salmo gairdneri* 12463Catch effort: *Salmo gairdneri* 12463Catch statistics: *Salmo* 5667

Energy budget 11426

Feeding: *Salmo* 5667

Reservoirs 11426

Seasonal variations 11426

Sport fishing statistics: *Salmo gairdneri* 12463Vertical distribution: *Salmo* 5667**USA, West Virginia, Twelvepole Creek,**Autecology: *Esox americanus vermiculatus* 11721Biology: *Esox americanus vermiculatus* 11721Food organisms: *Esox americanus vermiculatus* 11721Life cycle: *Esox americanus vermiculatus* 11721**USA, Wisconsin,**Eggs: *Esox masquinongy* 4463

Fish catch statistics 4512

Fish culture: *Esox masquinongy* 4463

Fishery surveys 4512

Sport fishing 4512

Taxonomy: *Eubbranchipus bundyi* 12888Taxonomy: *Eubbranchipus serratus* 12888

Water analysis (chemical) 3254

Water quality 3254

USA, Wisconsin, Black Earth Creek,Pollution effects: *Salmo trutta* 4343**USA, Wisconsin, Delafield,**Herbicides: *Ceriodaphnia* 7733Herbicides: *Chydorus* 7733Herbicides: *Daphnia* 7733**USA, Wisconsin, Escanaba L.,**

Fish catch statistics 4508

Fishery surveys 4508

Sport fishing 4508

Stock assessment: *Stizostedion vitreum* 4508**USA, Wisconsin, Fox R.,**

Sediment analysis 7711

Sediment transport 7711

Thermal pollution 7711

Turbulence 7711

USA, Wisconsin, Inland waters,

Community composition 8632, 8633

Plankton 8632, 8633

USA, Wisconsin, Mendota L.,

Anaerobic bacteria 3800

Fixation 8677

Gases: *Bacteria* 3800

Herbicides 7678

Nitrogen cycle 8677

Sediment analysis: *Bacteria* 3800**USA, Wisconsin, Mississippi R.,**Fish catch statistics: *Stizostedion* 4511Fishery surveys: *Stizostedion* 4511Sport fishing: *Stizostedion* 4511**USA, Wisconsin, Mondeaux Flowage,**

Plant control 7769

Water circulation 7769

USA, Wisconsin, Roxbury Creek,Competition: *Notropis* 12141Food organisms: *Notropis* 12141Vertical distribution: *Notropis* 12141**USA, Wisconsin, Roxbury R.,**Ecosystems: *Notropis* 13389Feeding behaviour: *Notropis* 13389Predation: *Notropis* 13389**USA, Wisconsin, Wingra L.,**

Nitrogen cycle 8680

Sediment analysis 8680

Water analysis (chemical) 8680

USA, Wisconsin, Winnebago L.,Abundance Seasonal variations: *Fungi* 2469Water analysis (biological): *Fungi* 2469**USA, Wyoming,**New species: *Physa spelunca* 4900New species: *Thielavia pseudomaritima* 4748Salt lakes: *Thielavia pseudomaritima* 4748

- USSR,**
 Biographies 12511
 Breeding: *Cyprinus carpio* 13274
 Cage culture: *Salmo gairdneri* 7809
 Conservation 12502
 Cooperatives 5560
 Ecology 12502
 Ecology: *Sphaeriidae* 10427
 Feeds: *Salmo gairdneri* 7808
 Feeds: *Salmonidae* 5603
 Fish culture 6819, 8829
 Fish culture: *Salmo gairdneri* 7809
 Fish culture: *Salmonidae* 5603, 7804, 7811
 Fish culture Fishery economics: *Cyprinus carpio* 2124
 Fishery products Resource development 3503, 3508
 Freshwater aquaculture: *Salmonidae* 5603, 7810
 Geographical distribution: *Culicidae* 6766
 International exchange 10122
 Introduced species: *Salmonidae* 7804
 Legislation 12502
 Medicine 6966
 Morphology (organisms): *Simuliidae* 9320
 New species: *Simuliidae* 9320
 Nutritional requirements: *Salmo gairdneri* 7808
 Palaeontology New species: *Uralinella* 2246
 Parasites: *Culicidae* 6766
 Polymorphism: *Sphaeriidae* 10427
 Research vessels 11314
 Resource development: *Salmo gairdneri* 7809
 Resource development: *Salmonidae* 7811
 Resource development Water resources 2445
 Skeleton Biometrics: *Oncorhynchus keta* 1529
 Statistical analysis: *Sphaeriidae* 10427
 Whaling: *Cetacea* 4036

USSR, Ak-Bura R.,
 Freshwater ecology: *Trichoptera* 6390
 Larvae: *Trichoptera* 6390

USSR, Amudarya R.,
 Dispersion: *Anopheles pulcherrimus* 6525

USSR, Amur R.,
 Reproduction rate Environmental effects: *Oncorhynchus keta* 998

USSR, Aral Sea,
 Hosts: *Aves* 11990
 Hosts: *Invertebrata* 11990
 Hosts: *Pisces* 11990
 Parasites 11990

USSR, Armenia, Sevan L.,
 Serological studies: *Salmo* 5049
 Taxonomy: *Salmo* 5049

USSR, Baikal L.,
 Biochemical cycle 7572
 Biogeography: *Invertebrata* 6395
 Community composition: *Zoomastigophora* 9765
 Ecology: *Invertebrata* 6395
 Ecosystems: *Zoomastigophora* 9765
 Energy flow 7572
 Evolution: *Invertebrata* 6395
 Ice 5849
 Industrial wastes 11062

 Light penetration 5849
 Microorganisms 5959
 New species: *Enoplida* 9197
 New species: *Tripyla dybowskyi* 10363
 Organic suspended matter 10153
 Phytoplankton Primary production 476
 Plankton: *Bacteria* 7585
 Pollution effects: *Epischura baicalensis* 11062
 Primary production 7572
 Production (biological): *Bacteria* 7585
 Taxonomy: *Enoplida* 9197

USSR, Belozersk,
 Oogenesis: *Osmerus eperlanus* 9400
 Sexual maturity: *Osmerus eperlanus* 9400

USSR, Byelorussia,
 Fish catch statistics 2168

USSR, Caspian Sea,
 Abundance: *Clupeonella engrauliformis* 10884
 Benthos 10961
 Biological collections: *Oligochaeta* 10364
 Biology: *Pusa caspica* 9452
 Catching methods Rearing: *Acipenser* 2126
 Fish catch statistics 10977
 Food chains 10961
 Habitat: *Oligochaeta* 10364
 Length-weight relationships: *Didacna trigonoides* 7421
 Microbial contamination: *Clostridium botulinum* type E 6894
 Microbial contamination: *Pisces* 6894
 Natural mortality: *Pusa caspica* 9452
 Plankton 10961
 Population dynamics: *Clupeonella engrauliformis* 10884
 Population dynamics: *Phoca caspica* 11236
 Production (biological) 10977
 Sea level 10977
 Sediment analysis: *Clostridium botulinum* type E 6894
 Tagging: *Pusa caspica* 9452
 Taxonomy: *Oligochaeta* 10364

USSR, Chuckchee Pen.,
 New species: *Lumbriculus olgae* 11548
 New species: *Neoscolex macer* 11548

USSR, Chukotka,
 Morphology: *Prosopium cylindraceum* 6230

USSR Coasts,
 Biogeography: *Gammaridae* 4943
 Ecology: *Gammaridae* 4943
 Keys: *Gammaridae* 4943

USSR coasts,
 Marine aquaculture 8829

USSR Coasts,
 Morphology (organisms): *Gammaridae* 4943
 Taxonomy: *Gammaridae* 4943

USSR, Dniester R.,
 Reproduction: *Acipenseridae* 7745
 Reproduction: *Clupeidae* 7745
 Reproduction: *Percidae* 7745

USSR, Ili R.,
 Reproduction: *Ctenopharyngodon idella* 6264

USSR, Inland waters,

- Acclimation: *Invertebrata* 7794, 7826
 Anatomy: *Cyprinus carpio* 12370
 Antibiotics: *Acipenseridae* 10586
 Arctic zone 11422
 Competitive behaviour: *Pacifastacus leniusculus* 12139
 Deltas 11398

USSR, Inland Waters,
Ecosystems 6716**USSR, Inland waters,**

- Electric fishing 5573
 Embryology: *Acipenseridae* 10586
 Environmental effects: *Pisces* 7490
 Estuaries 11398
 Farm ponds 12345
 Farm ponds: *Pisces* 12344
 Feeds Nutritive value: *Cyprinus carpio* 912
 Fish culture: *Cyprinidae* 7805
 Fish culture: *Cyprinus carpio* 5602
 Fish culture: *Ictalurus punctatus* 7806
 Fish culture: *Ictiobus* 7806
 Fish culture: *Morone saxatilis* 7806, 12343
 Fish culture: *Salmo gairdneri* 12346
 Fish larvae: *Cyprinus carpio* 12370
 Fishery resources 6989
 Food availability: *Acipenser* 12349
 Food availability: *Coregonus* 12349
 Food organisms: *Invertebrata* 7826
 Freshwater aquaculture: *Pisces* 7803
 Gear research 5573
 Geographical distribution: *Astacus astacus* 12139
 Geographical distribution: *Astacus leptodactylus* 12139
 Growth rate: *Coregonus* 7587
 Habitat improvement 7793, 7794, 7805, 7826, 12345
 Hosts: *Bithynia leachi* 2997
 Hosts: *Caenostheria davidi* 11571
 Hybrids: *Coregonus* 6821
 Hybrids: *Salmo gairdneri* 12346
 Introduced species: *Invertebrata* 7803
 Introduced species: *Morone saxatilis* 12343
 Introduced species: *Pacifastacus leniusculus* 12139
 Introduced species: *Pisces* 7803
 Larvae: *Acipenser* 12349
 Larvae: *Coregonus* 12349
 Life cycle: *Opisthorchis felineus* 2997
 Limnology 11422
 Locomotion: *Salmo salar* 5177
 Morphology (organisms): *Cyprinus carpio* 12370
 Morphology (organisms): *Osmerus eperlanus* 9381
 Mortality causes: *Acipenser* 12349
 Mortality causes: *Coregonus* 12349
 New species: *Brachionus charini* 11571
 Nutritive value: *Coregonus* 6821
 Oxygen consumption: *Morone saxatilis* 6330
 Parasites: *Opisthorchis felineus* 2997
 Parasites Growth: *Urceolariidae* 1700
 Parasites Juveniles: *Urceolariidae* 1700
 Physiology: *Pisces* 12344
 Pollution control 5511, 12268
 Pollution effects: *Morone saxatilis* 12343
 Population structure: *Osmerus eperlanus* 9381

- Production (biological) 11422
 Production (biological): *Coregonus* 7587
 Radioactive pollution 12268
 Reservoirs 6989
 Reservoirs Ecosystems 1902
 Reservoirs Energy flow 1902
 Reservoirs Nannoplankton 1902
 Reservoirs Production (biological) 1902
 River discharge 7490, 11398
 Spawning grounds: *Ctenopharyngodon idella* 6264
 Spawning grounds Ground water: *Oncorhynchus* 277
 Stocking: *Pisces* 7793
 Subpopulation: *Osmerus eperlanus* 9381
 Survival: *Pisces* 7490
 Symbionts: *Brachionus charini* 11571
 Symbionts: *Caenostheria davidi* 11571
 Temperature effects 5458
 Temperature effects: *Acipenseridae* 10586
 Temperature effects: *Coregonus* 7587
 Thermal aquaculture 5458
 Thermal aquaculture: *Cyprinus carpio* 5601
 Thermal aquaculture Feeds: *Cyprinus carpio* 912
 Thermal pollution 5458

USSR, Inland Waters,Thermal pollution: *Invertebrata* 6716**USSR, Inland waters,**

- Water conservation 5548
 Water management 5548
 Water quality 5511
 Water resources 5548
 Zooplankton 7383

USSR, Inland waters, Moldavia,Amino acids: *Myxophyceae* 11521**USSR, Issyk-kul Depression,**

- Biological collections: *Ephemereleididae* 9328
 Biological collections: *Heptageniidae* 9328

USSR, Issyk-Kul' L.,

- New records: *Tripyla tenuis* 10363
 New species: *Tripyla subterranea* 10363

USSR, Kamchatka,

- Fecundity: *Oncorhynchus keta* 5301
 Morphology (organisms): *Salvelinus* 9383
 Population dynamics: *Oncorhynchus keta* 5301
 Population studies: *Salvelinus alpinus* 9383

USSR, Kamchatka, Dal'nee L.,

- Fecundity: *Oncorhynchus nerka* 5300
 Oogenesis: *Oncorhynchus nerka* 5300
 Research programmes 4605

USSR, Kamchatka, Inland waters,

- New species: *Nitrosomonas* 10273
 Thermal springs: *Nitrosomonas* 10273

USSR, Kavkaz,

- New records Geographical distribution: *Hydroporus longicornis* 1629

USSR, Kavkaz, Upper Baksan Region,Taxonomy New species: *Ptychoptera peusi* 1473**USSR, Kazakhstan,**

- Fungal diseases: *Metarrhizium anisopliae* 6528
 Hosts: *Tabanus autumnalis* 6528

- Introduced species: *Pisces* 2996
 Parasites: *Carassius auratus* 6527
 Parasites: *Carassius carassius* 6527
 Parasites: *Opisthorchis felineus* 6527
 Parasites: *Pisces* 2996
- USSR, Kola Peninsula,**
 Habitat improvement: *Salmo salar* 5597
 Reproduction rate: *Salmo salar* 5597
- USSR, Konakovskaya Station,**
 Temperature effects: *Daphnia cucullata* 9695
 Waste heat: *Daphnia cucullata* 9695
 Zooplankton 9695
- USSR, Kremenchug Reservoir,**
 Fecundity: *Gammaridae* 2701
 Reproduction: *Gammaridae* 2701
- USSR, Ladoga L.,**
 Fishery economics 6899
 Freshwater pollution 12177
 Limnology 6598
 Oligotrophic lakes 12177
 Recruitment: *Osmerus eperlanus* 9399
 Reproduction: *Osmerus eperlanus* 9399
 Resource development 6899
- USSR, Leningrad,**
 Conferences 3654
 Symposia 2296
- USSR, Lithuania,**
 Sympatric populations: *Astacus astacus* 10894
 Sympatric populations: *Astacus leptodactylus* 10894
- USSR, Lithuania, Inland Waters,**
 Bioassays 12191
 Freshwater pollution 12191
 Pollution control 12191
- USSR, Mari Lakes,**
 Biochemistry: *Bacteria* 2468
 Microorganisms 2468
 Oxidation: *Bacteria* 2468
- USSR, Northern Kazakhstan, Naursum Reservation,**
 Feeding behaviour: *Larus canus* 8584
 Food composition: *Larus canus* 8584
 Seasonal variations: *Larus canus* 8584
- USSR, Ob' R.,**
 New records: *Oncorhynchus gorbuscha* 7824
- USSR, Okhota R.,**
 Reproduction rate: *Oncorhynchus nerka* 781
 Resource conservation: *Oncorhynchus nerka* 781
- USSR, Onega L.,**
 Limnology 6598
 Oligotrophic lakes 6598
- USSR, Ropsha,**
 Chromosomes: *Salmo trutta* 6266
- USSR, Russia, Kaliningrad,**
 Models Trawl nets 2078
- USSR, Rybinsk,**
 Oogenesis: *Osmerus eperlanus* 9400
 Sexual maturity: *Osmerus eperlanus* 9400
- USSR, Sakhalin,**
 Age composition: *Oncorhynchus* 6444
 Feeding migrations: *Oncorhynchus* 6444
 Taxonomy: *Salvelinus* 436
- USSR, Siberia,**
 Morphology: *Prosopium cylindraceum* 6230
- USSR, Siberia, Tomsk,**
 Population dynamics Seasonal variations: *Bithynia inflata* 3042
- USSR, Soligorsk Reservoir,**
 Food organisms: *Rutilus rutilus* 6501
 Growth rate: *Rutilus rutilus* 6501
 Larvae: *Rutilus rutilus* 6501
- USSR, Tadzhikistan,**
 New species: *Uralinella* 2558
 Thermal springs: *Thermus* 2948
- USSR, Ukraine,**
 Abundance: *Bacteria* 5952
 Acclimation: *Ictalurus punctatus* 12367
 Conservation 7573
 Introduced species: *Ictalurus punctatus* 12367
 New species Plankton 2245
 Plankton Palaeontology 2245
 Ponds: *Bacteria* 5952
 Production (biological) 7573
 Self purification 7573
 Water analysis (biological) Community composition: *Candida* 1899
 Water conservation 7573
- USSR, Ural lakes,**
 Biological oxygen demand: *Bacteria* 10932
 Nannoplankton 10932
- USSR, Volga Delta,**
 Feeding: *Esox lucius* 12285
 Feeding: *Silurus glanis* 12285
 Fish culture: *Abramis brama* 11175
 Fish culture: *Cyprinus carpio* 11175
 River discharge: *Esox lucius* 12285
 River discharge: *Silurus glanis* 12285
- USSR, Volga R.,**
 Freshwater aquaculture: *Acipenser ruthenus* 8835
 Hybrids: *Acipenser ruthenus* 8835
 Hybrids: *Huso huso* 8835
 New records: *Mallomonas* 6403
- USSR, West Siberia,**
 Fossils: *Diatomaceae* 7928
 Morphology (organisms): *Diatomaceae* 7928
 Palaeontology: *Diatomaceae* 7928
- Venezuela,**
 Palaeontology: *Foraminifera* 8917
- Venezuela, Andes,**
 Community composition 12115
 Energy flow 12115
 Freshwater 12115
- Venezuela, Caracas,**
 Conferences 5730, 12549
 Conferences Sea law 1107

Venezuela, Caroni R.,Ecology: *Podostemaceae* 9141Habitat: *Podostemaceae* 9141Reproduction: *Podostemaceae* 9141**Venezuela, Maracaibo L.,**

Oil spills Fisheries resources 617

Venezuela, Margarita Isl.,Fossils: *Atopocoenia kugleri* 3898New species: *Atopocoenia kugleri* 3898Palaeontology: *Foraminifera* 3895Taxonomy: *Atopocoenia kugleri* 3898**Vietnam, Mekong, R.basin,**

Agropisciculture 13583

Aquaculture 13583

Resource development 13583

Vietnam, Rep., Mekong R.basin,Cage culture: *Pangasus* 13628**West Indies,**Taxonomy: *Diceratobasis macrogaster* 5003Taxonomy: *Phylolestes ethelae* 5003**Windward Is., Grenada,**Geographical distribution: *Mollusca* 2894**World Continental Shelves,**

Geology 5894

World currents,Biogeography: *Prosobranchia* 5173Invertebrate larvae: *Prosobranchia* 5173**World estuaries,**

Sedimentation 9058

World estuarine waters,

Food chains 9791

Nekton 9791

World inland waters,Biogeography: *Pleurocerinae* 5151

Ecosystems 12215

Eutrophication 12259

Keys: *Nemertini* 8137Morphology (organisms): *Nemertini* 8137

Pollution effects 12259

Taxonomy: *Pleurocerinae* 5151Temperature effects Embryology: *Copepoda* 225

Thermal pollution 12215

World lakes,

Algal blooms 7670

Eutrophication 7670

Organic suspended matter: *Crustacea* 10978

Oxygen depletion 7670

Production (biological) 6598

Production (biological): *Crustacea* 10978**World Land Areas,**Hosts: *Protozoa* 5282Parasitic diseases: *Vertebrata* 5282**World littoral waters,**

Nature conservation 11151

Resource development 11151

Resource management 11151

World ocean,

Air-water interface 11395

Books 3628, 5729

Carbon dioxide 11396

World Ocean,Commercial species: *Algae* 3478**World ocean,**

Conferences 5753

World Ocean,

Continental shelf 10235

World ocean,

Coriolis force 8008

Economic analysis 5741

World Ocean,

Economics 10079

Fish meal Fisheries resources 1039

Fisheries 7783

World ocean,

Fisheries resources 2293, 5743

World Ocean,

Fisheries resources 10079

Fishery oceanography 11399

History 10235

World ocean,

Hydrodynamics 8007, 8008, 11395

International organizations 5747

Legislation 5744, 5745, 5746, 5753

Marine ecology 3629

Marine fisheries 3629

World Ocean,

Marine geology 4699

World ocean,

Marine geology 5896

World Ocean,

Marine pollution 7613

Marine pollution International exchange 505

World ocean,

Mathematical models 8007

World Ocean,

Mathematical models 12184

World ocean,

Meteorology 11395

World Ocean,

Meteorology 11399

World ocean,

Mineral resources 5742

World Ocean,

Mineral resources 10079

World ocean,

Models 8008

Ocean dumping 5744

Oceanographic data 5896

World Ocean,

Oceanographic data 10123

World ocean,

Oceanography 3628, 3629

World Ocean,

Oxygen consumption 4673
Physical oceanography Research programmes 55
Pollution control 6737
Potential yield 7783
Radioactive pollution 7641
Remote sensing 6962
Research programmes 10122, 10123
Resource availability: *Algae* 3478

World ocean,

Resource development 2

World Ocean,

Resource development 10079

World ocean,

Resource management 2293

World Ocean,

Resource management 7903

Satellites 6962

World ocean,

Sea bed conventions 5729
Sea law 5729, 5735, 5736, 5737, 5740, 5743, 5744, 5746,
5747, 5748, 5749, 5750, 5751, 5752, 5753, 5754

World Ocean,

Sea law 6737, 7903, 12505

Seaweed products 3478

Sound transmission 54

Tectonics 4699

World ocean,

Tectonics 5896

Territorial waters 5736, 5750

Tides 8008

Underwater exploitation 5742

World Ocean,

Water masses Geographical distribution 1187

Water masses Water circulation 1187

World ocean,

Water temperature 3628

Water waves 8007

World Oceanic Waters,

Carbonates 11319

World oceanic waters,

Hydrodynamics 11371

Thermal stratification 11371

World oceans,

Abundance: *Bacteria* 9768

World Oceans,

Abyssal zone: *Antimora rostrata* 6192

World oceans,

Aquatic minerals 3376

Benthos 5156

Biogeography 5156, 8486

Breeding: *Cetacea* 6351

World Oceans,

Carbon 9007

Check lists: *Cypraea* 11589

Check lists: *Diplodus* 7274

Chemical pollutants 7715

World oceans,

Coring 5919

World Oceans,

Culture media: *Trichodesmium* 5965

Currents Hydrodynamics 77

Currents Reviews 77

World oceans,

Demersal fisheries: *Pisces* 8897

Dispersion: *Prosobranchia* 5173

Drilling 5919

World Oceans,

Environmental factors: *Trichodesmium* 5965

Evolution: *Diplodus* 7274

World oceans,

Evolution: *Sipuncula* 7154

World Oceans,

Fish catch statistics: *Scombridae* 11879

World oceans,

Fish meal: *Pisces* 7876

Fish oils: *Cetacea* 7876

Fish oils: *Pisces* 7876

World Oceans,

Fisheries biology: *Scombridae* 11238

Fisheries resources 7850

World oceans,

Fisheries resources Resource development 802

World Oceans,

Fishery industry legislation: *Cetacea* 5664

World oceans,

Fishery management: *Cetacea* 3376, 6351

World Oceans,

Fishery products Resource development 3510

Geographical distribution: *Macrocystis pyrifera* 13124

Geographical distribution: *Muraenesox* 11766

Geographical distribution: *Platysympus* 7372

Geographical distribution: *Scombridae* 11879

Geographical distribution: *Stomiatidae* 11741

Geographical distribution: *Uca* 7197

World oceans,

Hydrodynamics 2400, 3772

World Oceans,

International exchange 4542

World oceans,

International organizations 5919

World Oceans,

Keys: *Stomiatidae* 11741

Keys: *Uca* 7197

Life history: *Antimora rostrata* 6192

World oceans,

Marine ecology 8486

Marine ecology: *Brachyura* 6607

Mathematical models 10185, 10204

Mercury: *Pisces* 12163

Morphology: *Elasipoda* 8148

World Oceans,

Morphology: *Uca* 7197

World oceans,

- Oogenesis: *Teleostei* 11774
- Palaeontology 5919
- Phytoplankton 12385
- Plankton: *Prosobranchia* 5173
- Predators: *Gastropoda* 6607
- Primary production 12385
- Production (biological): *Bacteria* 9768
- Radioactive pollution 6670
- Red tides Algal blooms 733
- Red tides Algal blooms: *Gonyaulax* 120
- Red tides Algal blooms: *Gonyaulax polyedra* 744
- Red tides Bioluminescence: *Gonyaulax polyedra* 744
- Red tides Circadian rhythm: *Gonyaulax polyedra* 744
- Red tides Ecology 733
- Red tides Geographical distribution 743
- Red tides Life cycle: *Gonyaulax* 120
- Red tides Models 733
- Red tides Physical oceanography 733
- Red tides Phytoplankton: *Gonyaulax* 120
- Red tides Phytoplankton: *Gonyaulax polyedra* 744
- Red tides Poisonous organisms: *Gonyaulax* 120
- Red tides Poisonous organisms: *Gonyaulax polyedra* 744
- Red tides Population growth 743
- Red tides Taxonomy: *Gonyaulax* 120
- Red tides Upwelling 736

World Oceans,

- Remote sensing 8955

World oceans,

- Research programmes 5919
- Resource conservation: *Mammalia* 6351

World Oceans,

- Resource management: *Physeter catodon* 13829

World oceans,

- Seaweed culture 12385
- Sediment transport 6670
- Sedimentology 5919
- Shells: *Gastropoda* 6607
- Size distribution: *Gastropoda* 6607
- Spawning: *Teleostei* 11774

World Oceans,

- Stock assessment: *Balaenoptera brydei* 13833
- Stock assessment: *Balaenoptera edeni* 13833
- Stock assessment: *Cetacea* 5664

World oceans,

- Stock assessment: *Cetacea* 10056

World Oceans,

- Stock assessment: *Physeter catodon* 13829
- Stock assessment: *Scombridae* 11238
- Subpopulation: *Balaenoptera brydei* 13833
- Subpopulation: *Physeter catodon* 13829
- Taxonomy: *Diplodus* 7274

World oceans,

- Taxonomy: *Elasipoda* 8148

World Oceans,

- Taxonomy: *Muraenesox* 11766
- Taxonomy: *Uca* 7197
- Taxonomy Morphology (organisms) Meristic counts: *Stomatidae* 11741

World oceans,

- Trade: *Pisces* 8897

World Oceans,

- Water analysis (chemical) 9007

World oceans,

- Water circulation 10185
- Water temperature 2400, 10204
- Whaling statistics 3376, 5639

World Oceans,

- Yield predictions: *Physeter catodon* 13829

World Ocens,

- Fish catch statistics 3592

World polar regions,

- Remote sensing 6961
- Satellites 6961
- Sea ice 6961
- Water circulation 6961
- Water temperature 6961

World subtropical regions,

- Biological control: *Marisa cornuarietis* 10426
- Diseases: *Schistosoma* 10426

World Subtropical Regions,

- Geographical distribution: *Cheilodipteridae* 11744
- Keys: *Cheilodipteridae* 11744

World subtropical regions,

- Life cycle: *Marisa cornuarietis* 10426

World Subtropical Regions,

- Taxonomy: *Howella* 11744

World Tectonic Plates,

- Continental drift: *Conodontophyta chattanooga* 5769
- Continental drift: *Fungi* 5769

World tectonic plates,

- Geophysics 6935

World temperate regions,

- Environmental factors 12195
- Enzymes: *Teleostei* 9423
- Mineralogy 2461
- Physiology: *Teleostei* 9423
- Secretory products 2461

World tropical regions,

- Abundance: *Bacteria* 10974
- Anatomy: *Echineulima* 8196
- Biology 11432
- Biology: *Echineulima* 8196
- Biomass: *Bacteria* 10974
- Communities Freshwater ecology: *Pisces* 2247

World Tropical Regions,

- Embryology: *Scaholeberis kingi* 12906

World tropical regions,

- Enzymes: *Teleostei* 9423

World Tropical Regions,

- Geographical distribution: *Cheilodipteridae* 11744

World tropical regions,

- Geographical distribution: *Myctophum* 11742
- Hosts: *Echinoidea* 8196

World Tropical Regions,

- Keys: *Cheilodipteridae* 11744
 Larvae: *Scaholeberis kingi* 12906
 Life cycles: *Scaholeberis kingi* 12906
- World tropical regions,**
 New species: *Echineulima* 8196
 Oceanography 4645
 Parasites: *Echineulima* 8196
 Physiology: *Teleostei* 9423
 Plankton 7586
 Pollution effects 11432
 Production (biological): *Bacteria* 10974
- World Tropical Regions,**
 Regional variations: *Scaholeberis kingi* 12906
- World tropical regions,**
 Shellfish culture 5606
- World Tropical Regions,**
 Taxonomy: *Cheilodipteridae* 11744
- World tropical regions,**
 Taxonomy Morphology (organisms) Meristic counts:
Myctophum 11742
- World Tropical Regions, Oceans,**
 Noxious organisms: *Cubomedusae* 5818
- World tropical waters,**
 Aquaculture 13586
 Research programmes 13586
- World Waters,**
 Abundance: *Basommatophora* 11875
 Abundance: *Stylommatophora* 11875
- World waters,**
 Acclimation: *Algae* 9992
 Acclimation: *Invertebrata* 9992
 Acclimation: *Pisces* 9992
 Biodegradation 7608
- World Waters,**
 Biogeography: *Gastropoda* 11875
- World waters,**
 Eutrophication 7608
 Fish catch statistics 9969
 Fish culture 7848
 Fisheries resources 7848
 Fisheries statistics 9969
- World Waters,**
 Geographical distribution: *Basommatophora* 11875
 Geographical distribution: *Stylommatophora* 11875
- World waters,**
 Hydrologic cycle 7026
 Ichthyology 7848
- World Waters,**
 Parasitic diseases: *Vertebrata* 5282
- World waters,**
 Plankton 7608
 Pollution control 11149
 Radioactive pollution 3169
 Radioactive tracers 11336
 Radioactivity 3169
 Resource conservation 11149
 Self purification 7734
 Water quality 7734
- World zoogeographic regions,**
 Biogeography: *Cypraeidae* 10712
- World Zoogeographic Regions,**
 Biogeography: *Icriodontidae* 8511
 Biogeography: *Polygnathidae* 8511
- World zoogeographic regions,**
 Continental drift: *Cypraeidae* 10712
 Diversity index: *Cypraeidae* 10712
 Geographical distribution: *Bothriocephalata* 6533
 Mathematical models: *Cypraeidae* 10712
- World Zoogeographic Regions,**
 New species: *Ozarkodina optima* 8511
 Palaeontology: *Icriodontidae* 8511
 Palaeontology: *Polygnathidae* 8511
- World zoogeographic regions,**
 Speciation: *Cypraeidae* 10712
- World Zoogeographic Regions,**
 Terminology 9506
- Yugoslavia, Bosna R.,**
 Morphology (organisms): *Gammarus bosniacus* 210
- Yugoslavia, Danube R.,**
 Community composition: *Chironomidae* 3097
 Periphyton: *Chironomidae* 3097
- Yugoslavia, Djerdap Reservoir,**
 Dams Environmental effects: *Chironomidae* 3341
 Reservoirs Limnology 3340
- Yugoslavia, Inland waters,**
 Geographical distribution: *Bythinella* 12851
 Metabolism 5397
 Primary production 5397
 Respiration 5397
 Taxonomy: *Bythinella* 12851
- Yugoslavia, Ohrid L.,**
 Environmental effects: *Diatomeae* 8629
 Oligotrophic lakes 10981
 Phytoplankton 8629
 Population dynamics: *Diatomeae* 8629
 Seasonal variations: *Diatomeae* 8629
- Yugoslavia, Skadar L.,**
 Biodegradation: *Fungi* 5951
 Phenols: *Fungi* 5951
- Yugoslavia, Split,**
 Conferences Marine environment 2283
 Oceanographic institutions Fishery organizations 2277
- Zaire, Tshinganda/Luhoho R.,**
 Benthos: *Insecta* 5358
 Biomass: *Insecta* 5358
 Freshwater ecology: *Trichoptera* 5358
- Zambia,**
 Education Fishermen 3623
 Fisheries Research institutions 7
 Fisheries statistics 11222
 Inland fisheries 11222
- Zambia, Banweulu L.,**
 Limnology 53
- Zambia, Chishi L.,**
 Fishing effort Catch effort 3439

Zambia, Luongo River,
New species: *Tilapia* 5017
861 + 862-881,
Currents Vertical distribution 1191



